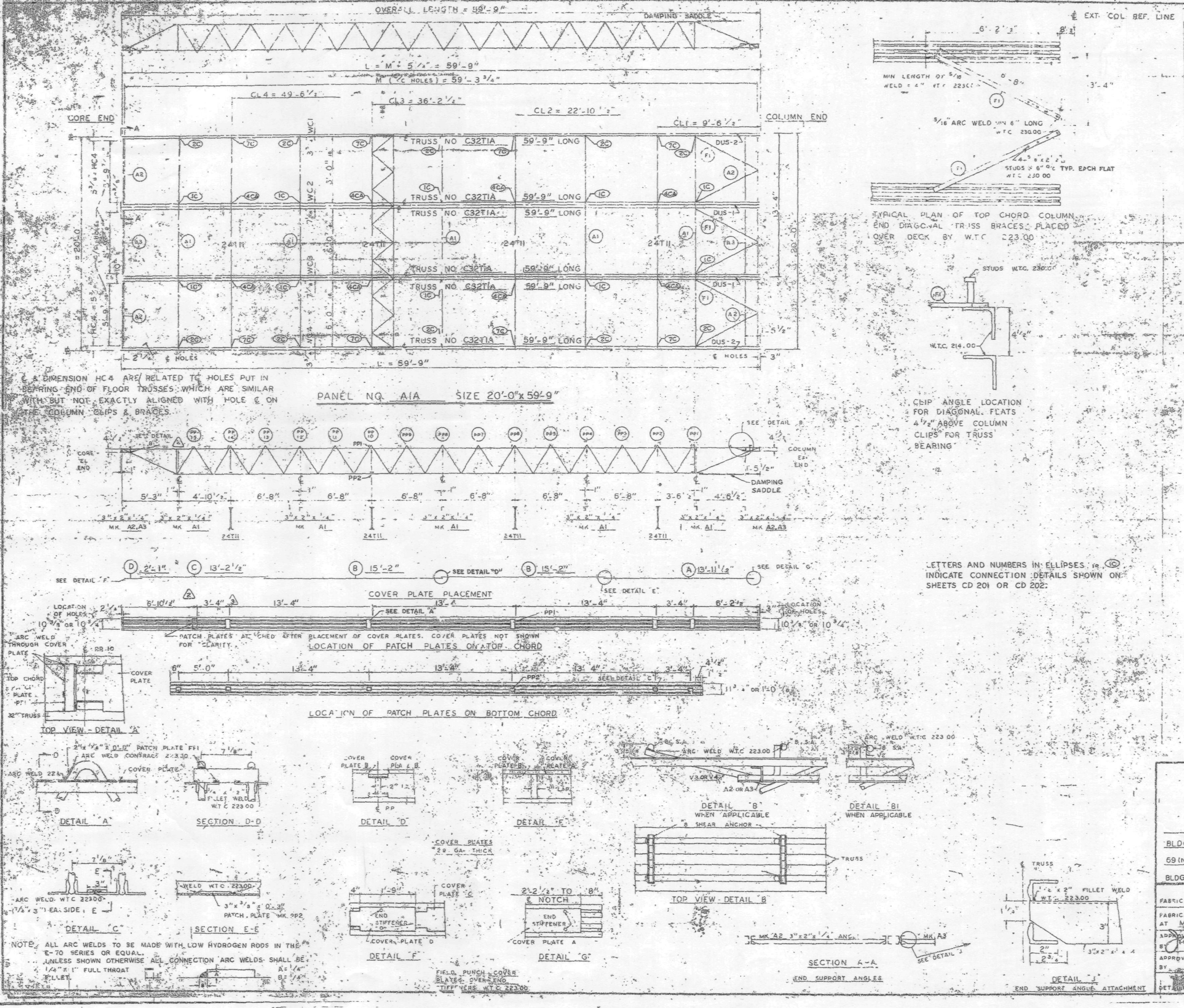
0001-0099

WTCI-131-LERA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST400
	PP2	24	3"x3/8"x0'-	ST400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x -3"	ST400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x3 1/2"	ST400
	P2	8	4 1/2"x.39"x0'-9"	ST400
	P3	8	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY
4	5-13-69	AS NOTED	G.D.C.
3	3-11-69	AS NOTED	G.D.C.
2	2-17-69	AS NOTED	G.D.C.
1	7-12-68	GENERAL	T.M.C.

REF. DRWG.		
	7-AB4-3	10-15-68
	7-AB4-15 & 16	7-22-68
	7-AB4-41	7-22-68
4	SA-124	1-6-68
	7-AB3-2	1-3-68
	7-AB1-2	7-22-68
	7-AB2-6	7-22-68

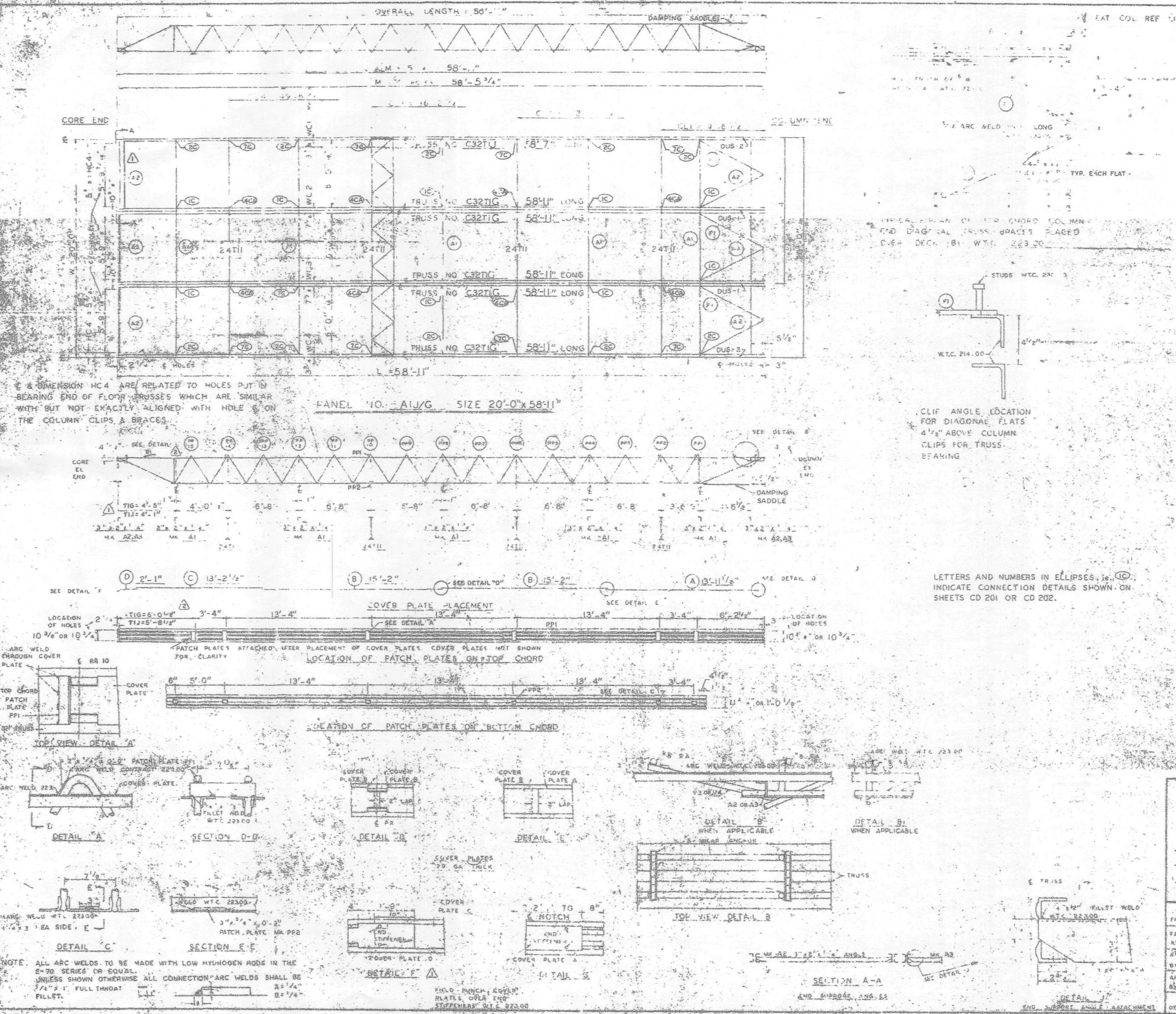
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68, 69 (NORTH) PANEL A1A 20'-0" x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY James White FOR N.Y.A.	DATE 1/2/70	DRAWN BY DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP A1A



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 3/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIG	[illegible]	C32TIG - 58'-11"	ST201G
	TIJ	1	C32TIJ - 58'-7"	ST201J
BRACING TRUSSES	TII	4	24TII - 19'-11"	ST211
3 x 2 x 1/4 ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#6 SHEAR ANCHOR	SA2	12	#6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS1-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 5/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

2	5-27-69	AS NOTED	
1	10-21-68	AS NOTED	
NO.	DATE	REVISION	BY

REF. DRWG.

7-AB4-3	10-15-68
7-AB4-1&1A 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

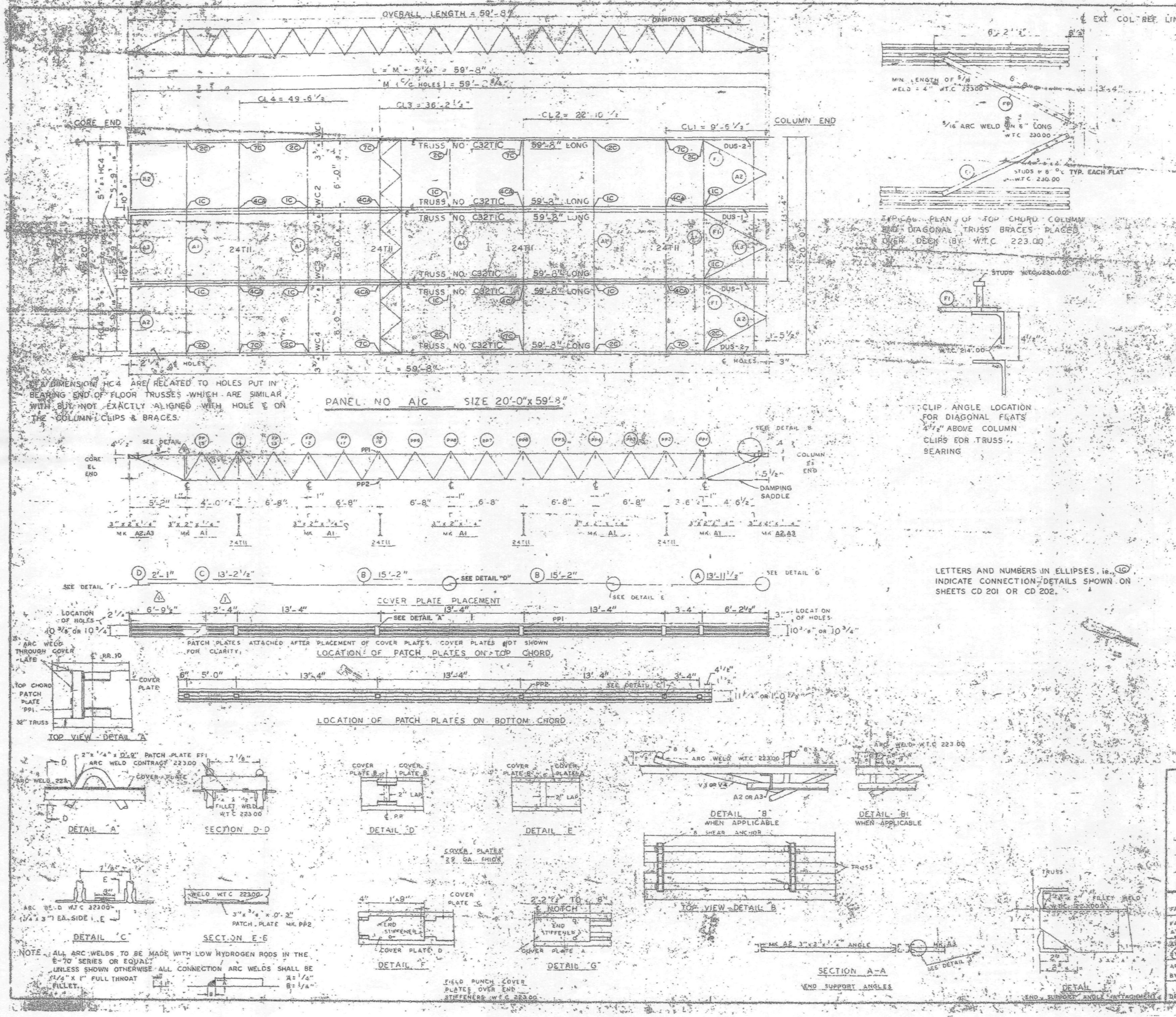
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 40 (N)

BLDG. B FLOORS 40 (WEST) ⚠2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. [illegible]	PLATE
APPROVED FOR FABRICATION BY FOR PONYA	DATE [illegible]	DRAWN BY [illegible] DATE FEB. 24, 1968	
APPROVED FOR FABRICATION BY [illegible]	DATE	CHECKED BY T. CHUNG DATE OCT. 1968	IN CHARGE OF
DETAILED BY A. L. WEBER		FABRICATION CONT. NO. WTC 221	[illegible]



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1C	6	C32T1A - 59'-8"	ST201C
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	8	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	5-27-69	AS NOTED	

⚠1 REF. DRWG

7-AB4-3	10-15-68
7-AB4-5 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-13-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

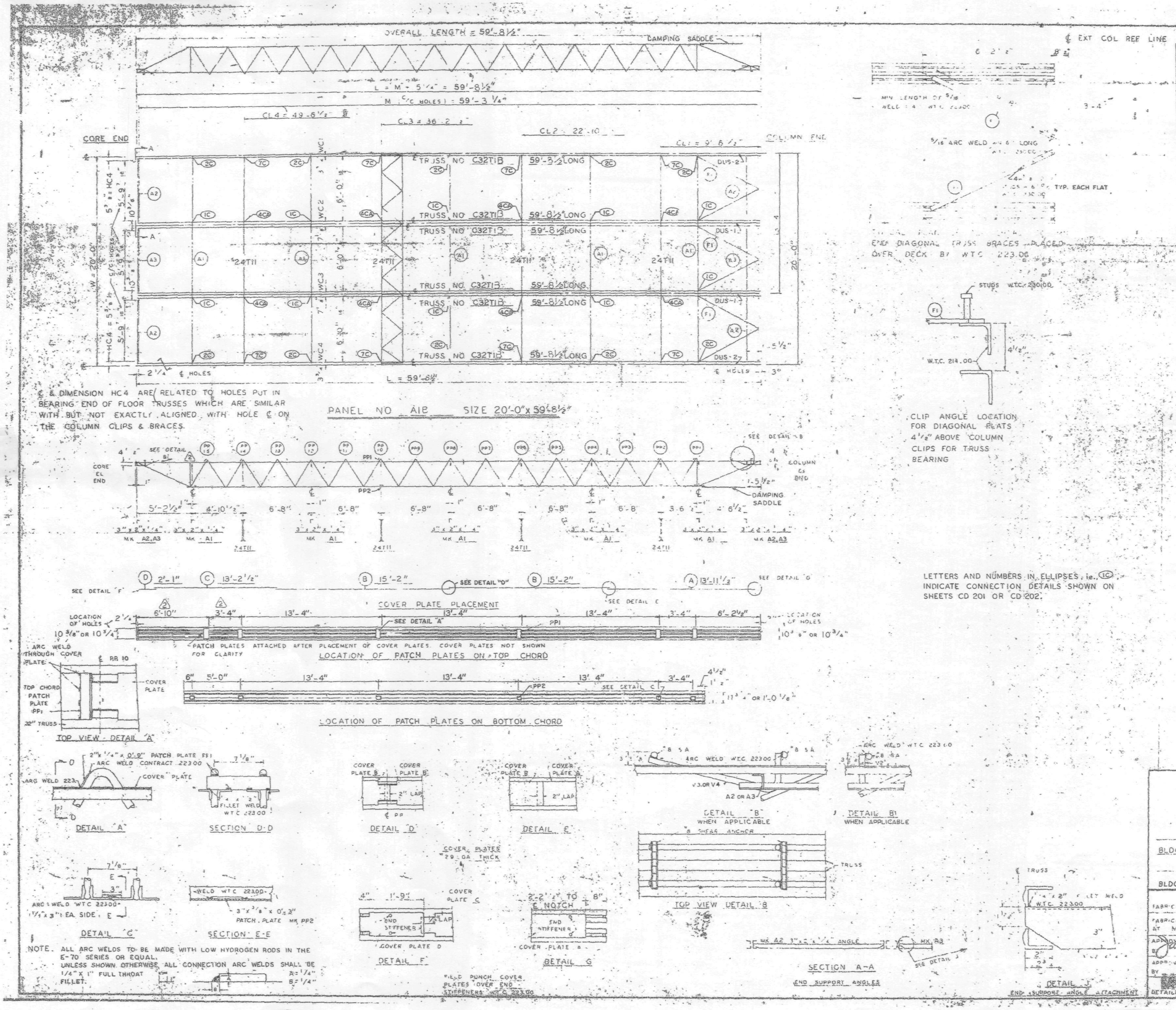
BLDG. A FLOORS [illegible]

PANEL [illegible] 0" x 59'-[illegible]"

BLDG. B FLOORS 49-58, 60-74, 79-91, 93-106 (EAST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA	DATE 1/2/70	DRAWN BY [initials] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T CHURA DATE OCT 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP A/C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1B	6	C32T1 - 59'-8 1/2"	ST201B
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3 x 2 x 1/4 ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS 2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1 5/8 x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

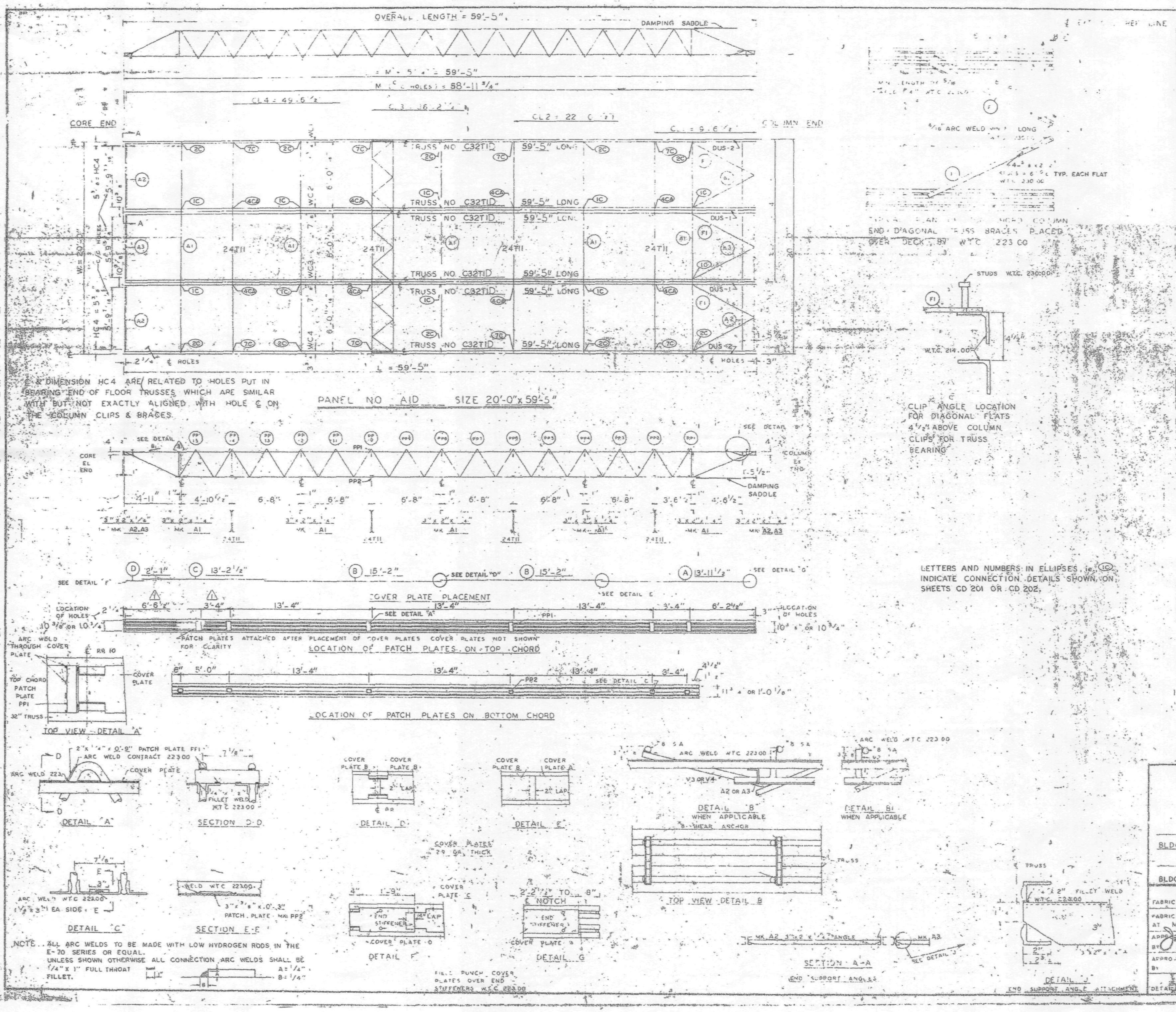
NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	R.J.P.
1	10-21-68	AS NOTED	G.D.C.

REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	11-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (NORTH) (1)
PANEL A1B ≤ 9" x 59'-8 1/2"
BLDG. B FLOORS 83-91, 93-106 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-3 PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A DATE 1/2/70
DRAWN BY [illegible] DATE FEB 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY I. CHURA DATE OCT. 11, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP A1B



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (IC) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE – ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	TID	6	C32TID - 59'-5"	ST201D
BRIDGING TRUSSES	T..	4	24TII - 19'-11"	B1211
ANGLE	A1	5	3"x2"x1/4" x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8" x 5'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x 1/4" x 0'-6"	ST 400
B. SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" ϕ x 1'-3"	ST 403
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
1	5-27-69	AS NOTED

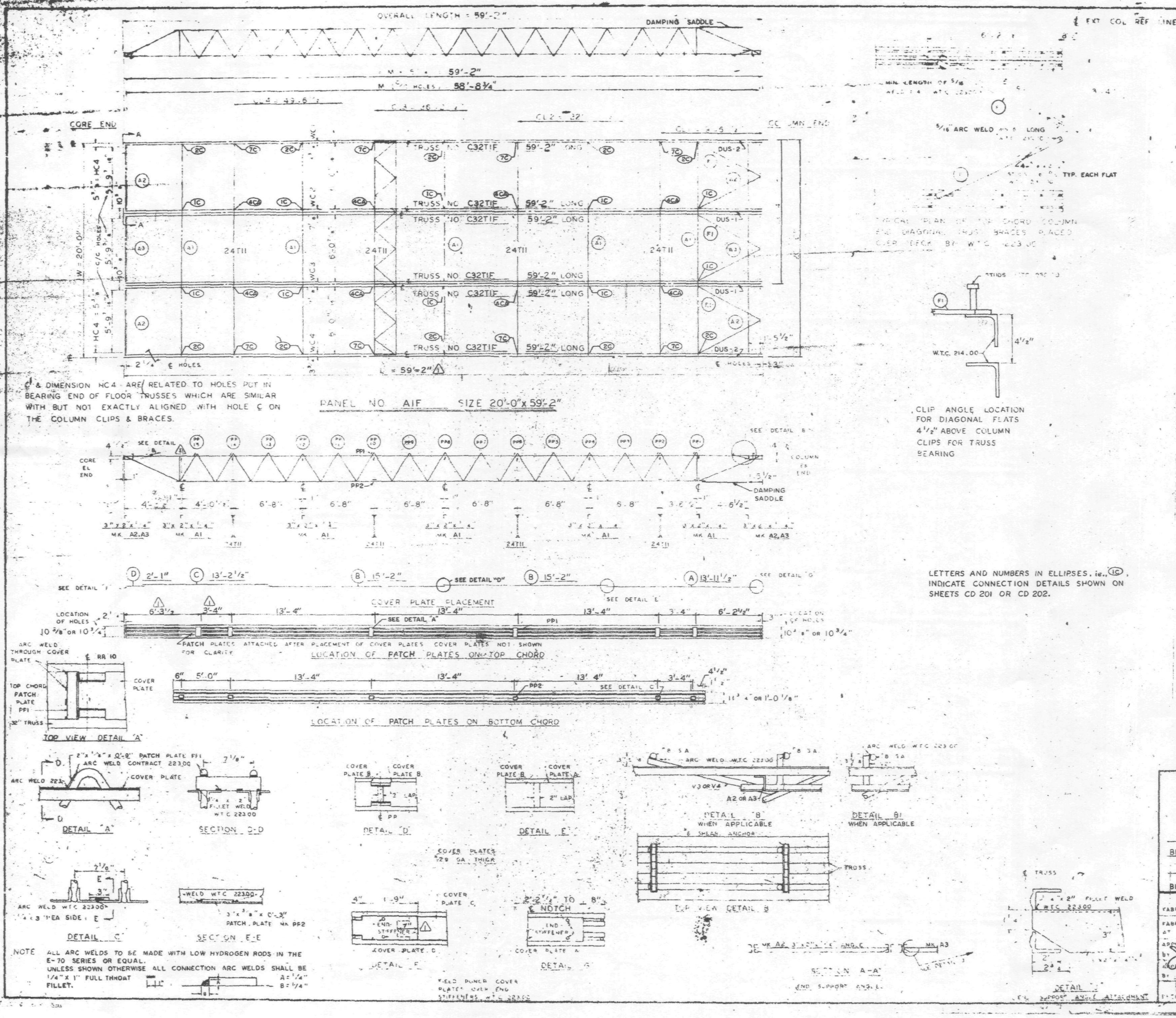
REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (N)
PANEL AID ... x 59'-5"
BLDG. B FLOORS 81-82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-3 PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA — DATE 1/2/70
DRAWN BY — DATE FEB 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY T. CHURA — DATE OCT. 11, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. WTC 221
SHEET NO. FP-AID



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1F	6	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T11	4	24T11 19'-11"	[illegible]
ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x3/8"x6 8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	5-27-69	AS NOTED	RJP

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA 124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

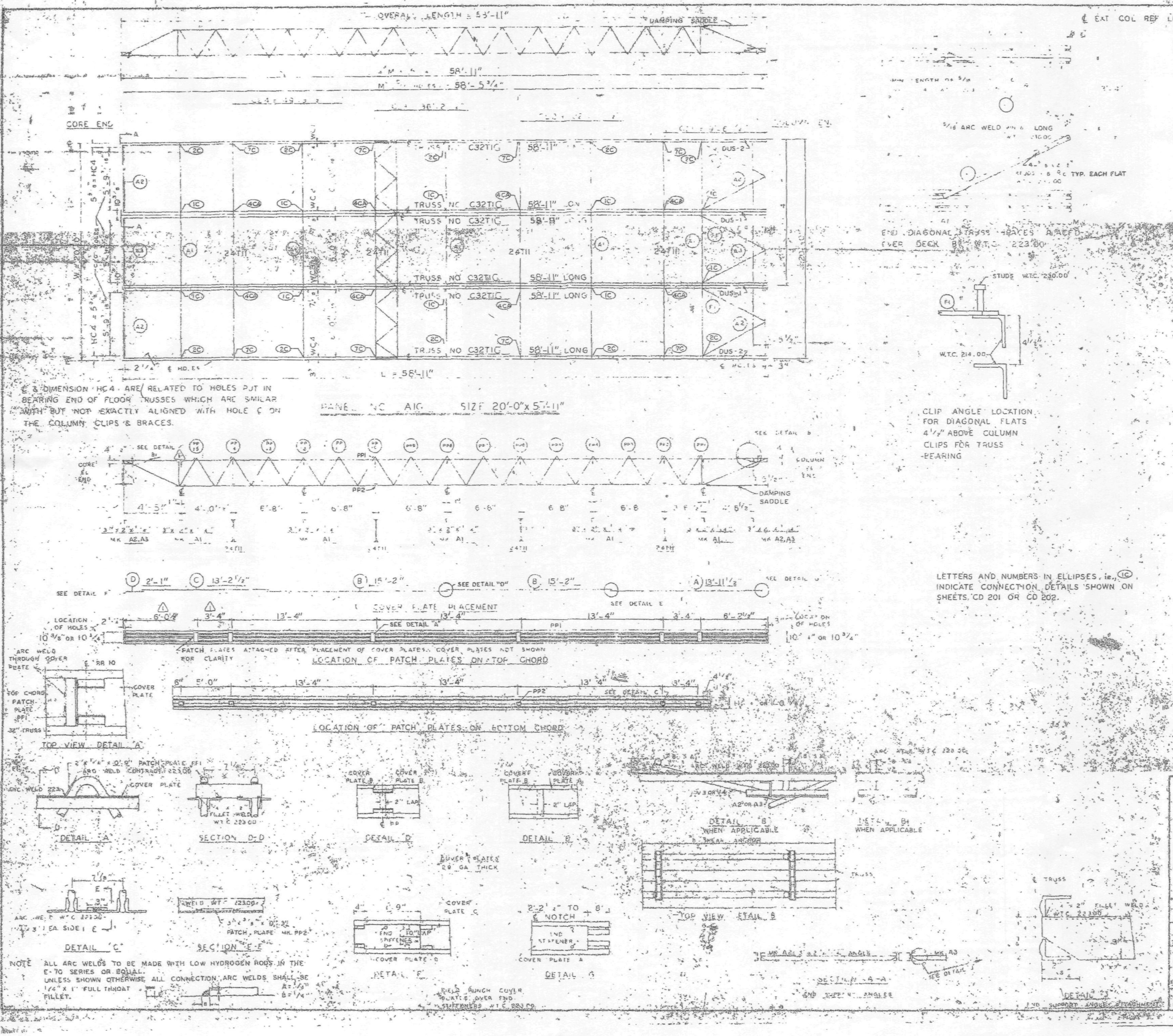
BLDG A FLOORS 47-48 (N, [illegible]), 70-71 (N)

PANEL [illegible] 20'-0" x 59'-2"

BLDG B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY James White	DATE 1/2/70	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT 11 1968	IN CHARGE OF PROD. DEV.
[illegible] CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO WTC 221	SHEET NO FP A1F



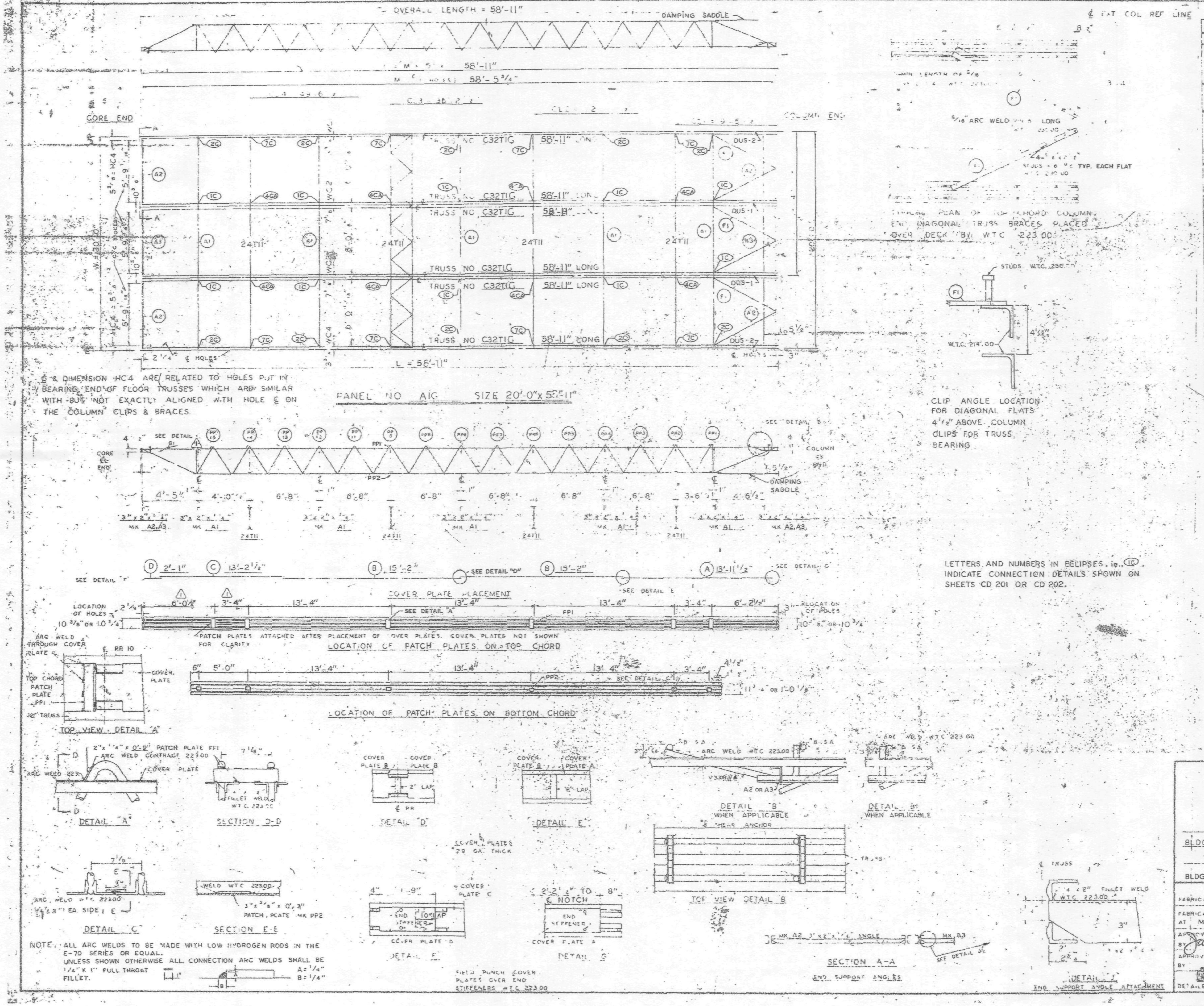
REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	6	C32T16 - 58'-11"	ST2016
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	[illegible]
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 401
DIAGONAL FLATS	F1	6	1 1/2" x 1/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	[illegible]
COVER PLATES	A	4	9" x .0135" x 18'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
1	5-27-69	AS NOTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39 (NORTH & SOUTH) 40 (SOUTH)
PANEL A1G
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO.
APPROVED FOR FABRICATION BY — DATE
DRAWN BY — DATE FEB 24, 1968
APPROVED FOR FABRICATION BY — DATE
CHECKED BY T. CHURA — DATE OCT. 11, 1968
DETAILED BY A. C. WEBER
FABRICATION CONT. NO. 221



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	6	C32T16 - 58'-11"	ST2016
BRIDGING TRUSSES	T11	4	24T11 - 9'-11"	BT211
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 9'-11"	ST403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A3	2	3" x 2" x 1/4" x 5'-[illegible] 3/4	ST403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	5-27-69	AS NOTED	R.J.P.

REF. DRWG

	7-AB4-3	10-15-68
	7-AB4-15 & 16	7-22-68
	7-AB4-41	7-22-68
1	SA-124	1-6-69
	7-AB3-2	1-3-68
	7-AB1-2	7-22-68
	7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

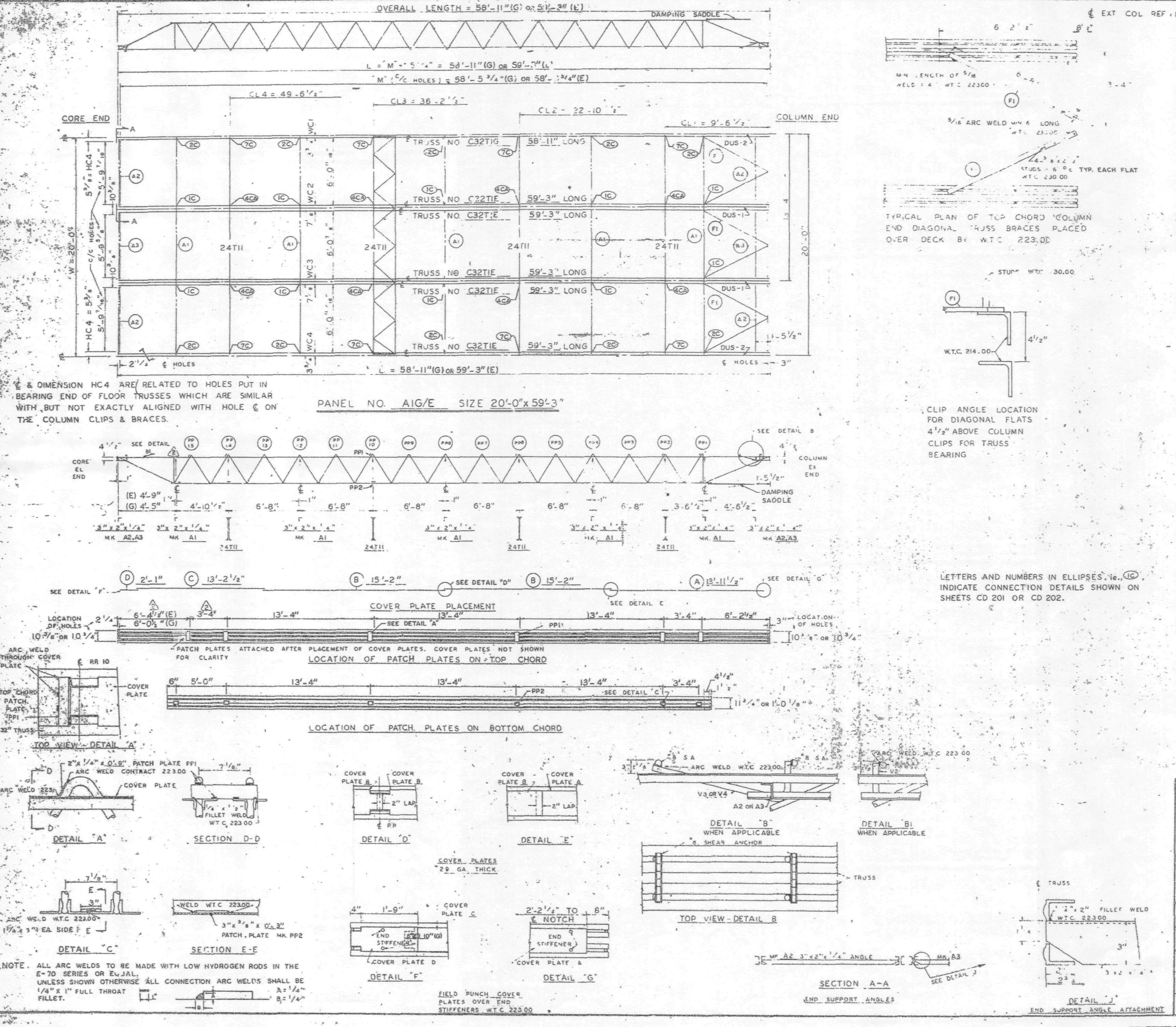
BLDG A FLOORS 39 (NORTH & SOUTH) 40 (SOUTH)

PANEL A1G 20'-0" x 58'-11"

BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY James Wohlken V.A.	DATE 1/2/70	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP A1G



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	5	C32TIE - 59'-3"	ST201E
	TIG	1	C32TIG - 58'-11"	ST201G
BRIDGING TRUSS	TII	4	24TII - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 9'-1"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	8	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	24	2"x 1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x 13'-2 1/2"	ST303
	D	4	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x 3/8"x 8 1/2"	ST 400
	P2	8	4 1/2"x .39"x 0'-9"	ST 400
	P3	8	4 1/2"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	R.J.P.
1	7-12-68	GENERAL	T.M.C.

REF. DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-12 4	1-6-69
7-AB3-2	1-3-68
(2) 7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH)

PANEL [illegible] 20'-0" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-4 PLATE

APPROVED FOR FABRICATION BY James White PONYA DATE 1/2/70

DRAWN BY [illegible] DATE FEB 24, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

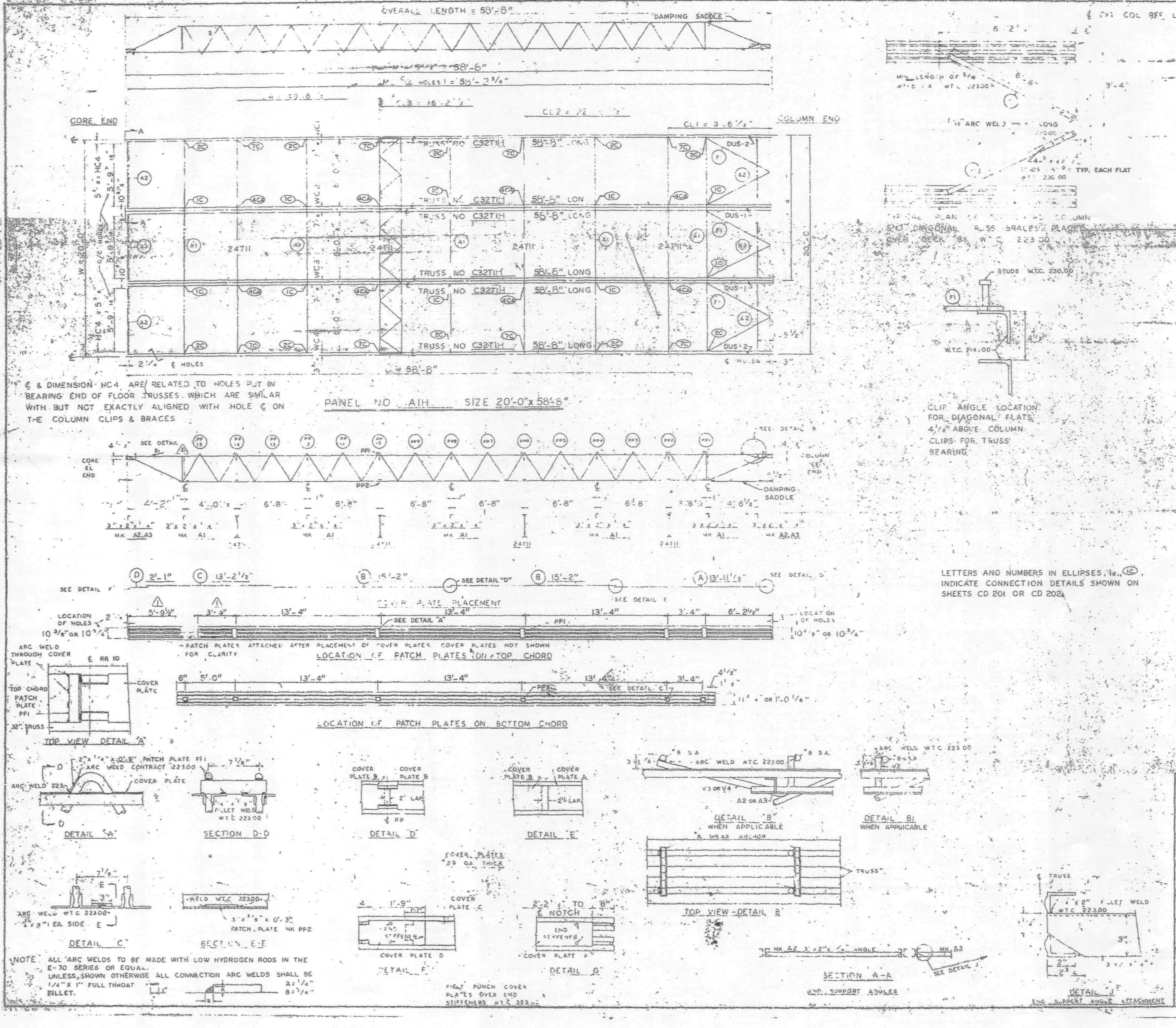
CHECKED BY J.R. PAUL DATE FEB 24, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY R.G. WEBER

FABRICATION CONT. NO. W T C 221

SHEET NO FP AIG/E



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4" B = 1/4"

REQUIRED MATERIAL PER PANEL	MK	PCS	SIZE	REF. DRWG.
FLOOR TRUSSES	1IH	6	C32T1H - [illegible]	[illegible]
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	[illegible]
3 x 2 x 1/4 ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x [illegible]	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-[illegible]	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-27-69	AS NOTED

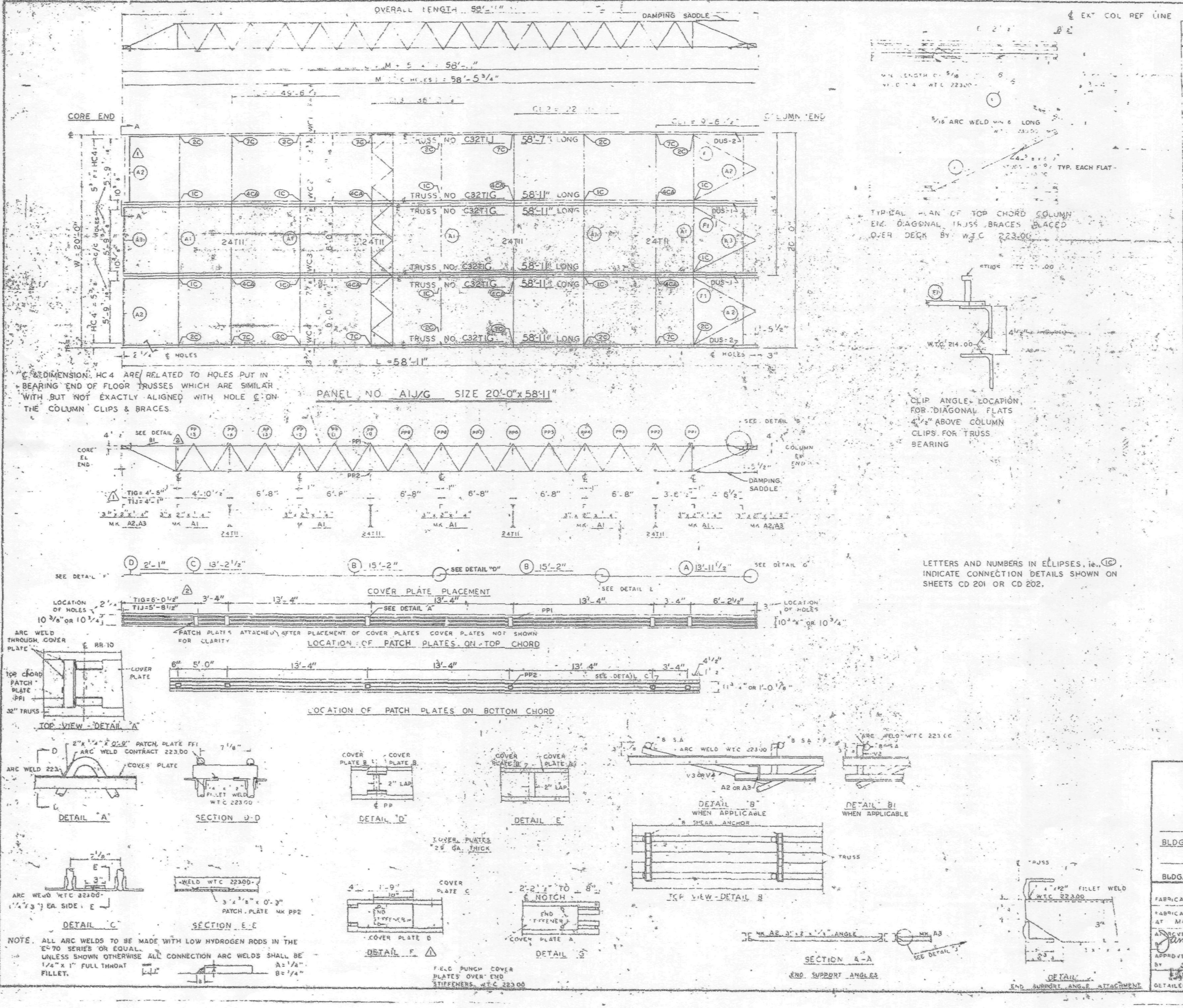
REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA 124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 79-80 (N)
PANEL A1H [illegible]-0" x 58'-8"
BLDG. B FLOORS 79 & 80 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-3 PLATE
APPROVED FOR FABRICATION James White DATE 1/2/70
DRAWN BY [illegible] DATE FEB 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T. CHURA DATE OCT. 11, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY F C WEBER
FABRICATION CONT. NO. W T C 221
SHEET FP A1



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
F[illegible] TRUSSES	TIG	[illegible]	C32TIG - 58'-11"	ST2[illegible]
	TIJ	1	C32TIJ - 58'-7"	ST2[illegible]
[illegible] TRUSSES	TII	4	24T[illegible]	B[illegible]
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x [illegible]	[illegible] 403
	A2	4	3"x2"x [illegible] x5 1/6	[illegible]403
	A3	2	3"x2"x1/4" [illegible]	[illegible]403
DIAGONAL FLATS	F1	5	1 1/2"x [illegible] x5'-8"	[illegible]02
PATCH PLATES	PP1	24	2"x1/4"x0-[illegible]	[illegible]
	PP2	24	3"x3/8"x0-3"	[illegible]
COVER PLATES	A1	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" ⌀ x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST400
	P2	8	4 1/2"x.39"x0'-9"	ST400
	P3	8	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	R.J.P.
1	10-21-68	AS NOTED	G.D.C.

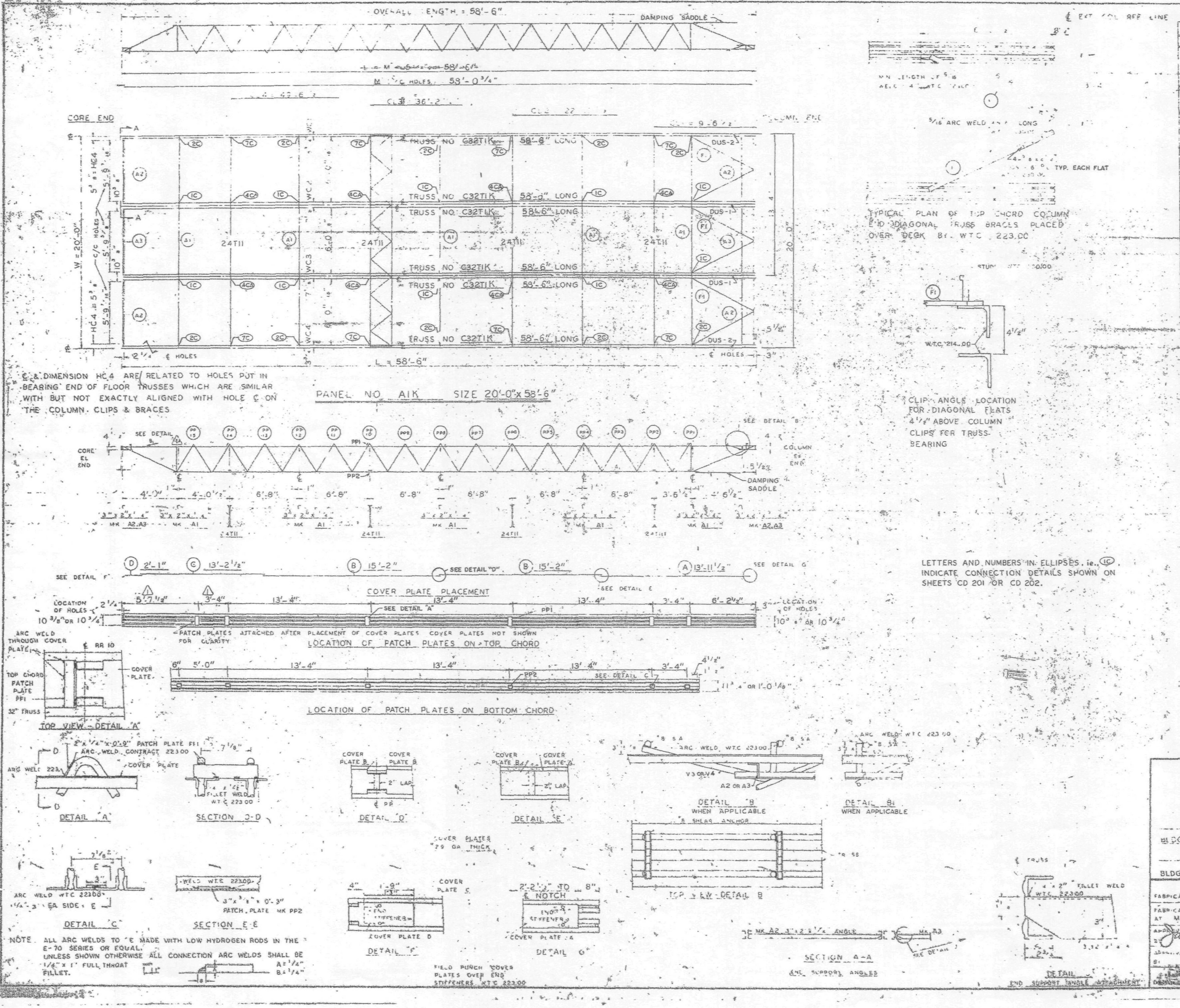
REF DRWG

	7-AB4-3	10-15-68
	7-AB4-15 & 16	7-22-68
	7-AB4-41	7-22-68
2	SA 124	1-6-69
	7-AB3-2	1-3-68
	7-AB1-2	7-22-68
	7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40 (N)
PANEL A[illegible] 20'-0" x 58'-11"
BLDG. B FLOORS 40 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-3 PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE FEB 24, 1968
APPROVED FOR FABRICATION BY [illegible] DATE
CHECKED BY T. CHURA DATE OCT. 11, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP AIJ/G



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	6	C32T1K - 58'-6"	ST201
BRIDGING TRUSSES	T11	4	24T11 - 9	BT21
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x9 [illegible]	ST403
	A2	4	3"x2"x1/4"x5 [illegible]	ST403
	A3	2	3"x2"x1/4"x5 [illegible] 3/4	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6 [illegible]	ST402
PATCH PLATES	PP1	24	2"x1/4"x [illegible]	ST400
	PP2	24	3"x3/8"x0-3"	ST400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST400
	P2	8	4 1/2"x.30"x0'-9"	ST400
	P3	8	4 1/2"x.30"x1'-0"	ST400

NO.	DATE	REVISION	BY
1	5-27-69	AS NOTED	

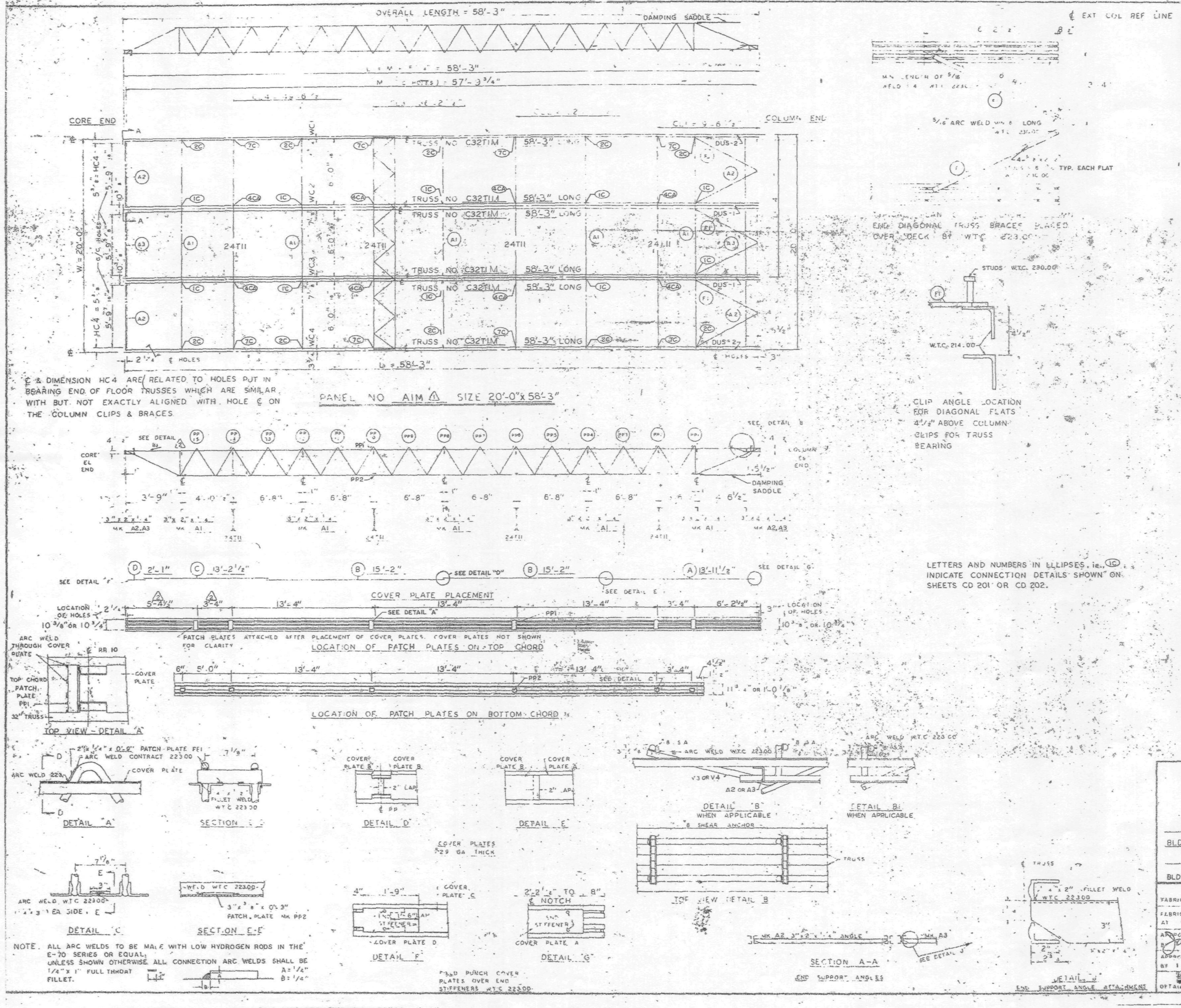
REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS [illegible]
PANEL [illegible] 20'-0" x 58'-[illegible]
BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7 AB3-3 PLATE
APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE FEB 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T. GHURA DATE OCT. 11, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO WTC 221
SHEET NO FP A1K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1M	6	C32T1M - 5[illegible]	ST201M
BRIDGING TRUSSES	T11	4	24T11 - 19[illegible]	ST211
3 x 2 x 1/4 ANGLE	A1	5	3"x2"x1/4"x19'[illegible]	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A3	2	3"x2"x1/4"x5'-[illegible]3/4"	ST401
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x5-6	ST402
PATCH PLATES	PP1	24	2"x1/4"x0-9"	ST400
	PP2	24	3"x3/8"x0-3"	ST400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST400
	P2	8	4 1/2" x .39" x 0'-9"	ST400
	P3	8	4 1/2" x .39" x 1'-0"	ST400

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	R.J.F.
1	10-21-68	AS NOTED	G.G.

REF DRWG

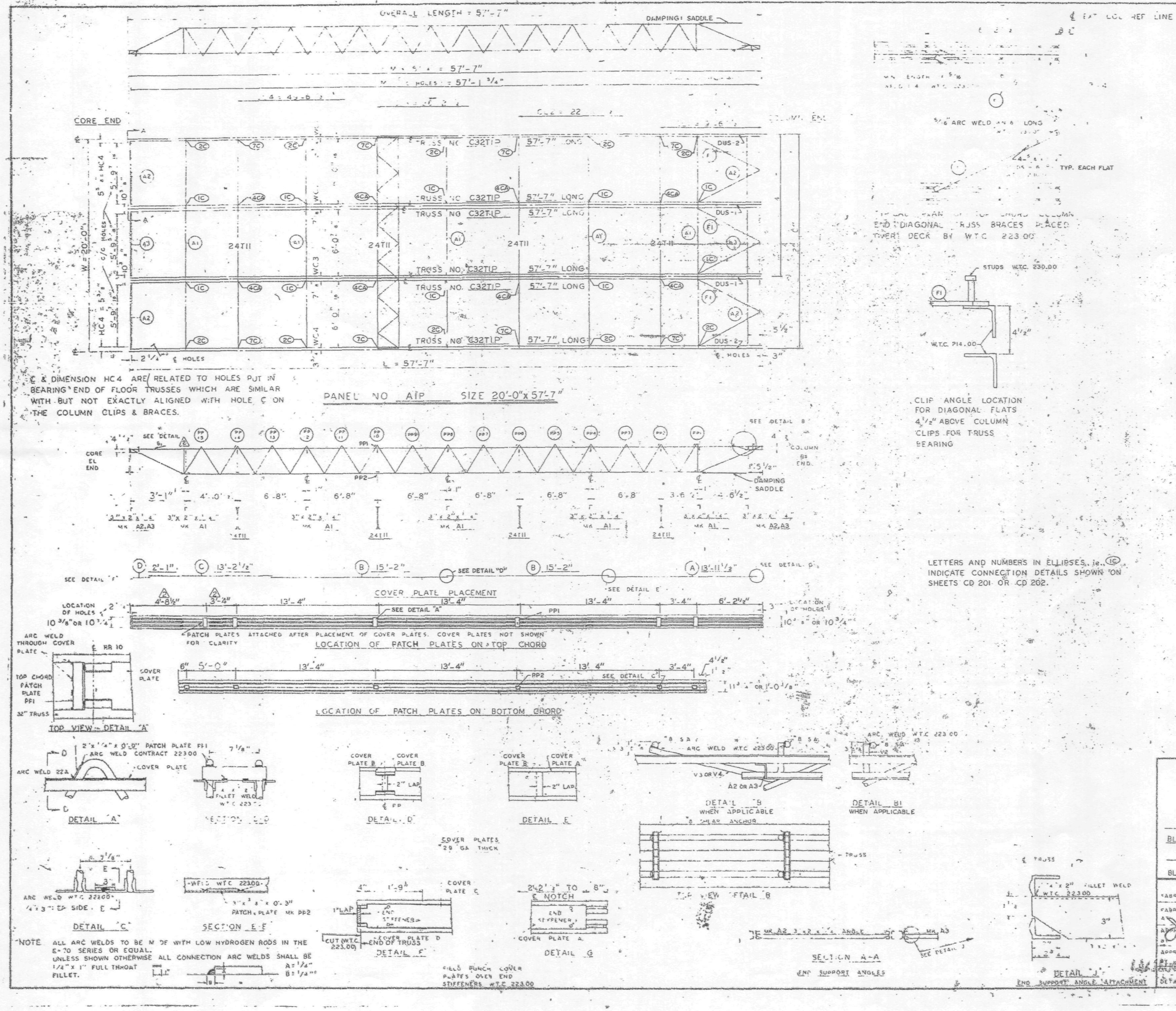
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)
PANEL A1M - [illegible] x 58'-3"
BLDG. B FLOORS 72 & 73 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY James White P.N.Y.A	DATE 1/2/70	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY T. CHUPA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A G WEBER		FABRICATION CONT NO. WTC 221	SHEET NO FP-A1M



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1	6	C32T1P - 57'-7"	ST201
BRIDGING TRUSSES	T11	4	24T11 - 9 [illegible]	ST211
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 9 [illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES (1)	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	8	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
(2)	5-27-69	AS NOTED	RJS
(1)	[illegible]	COVER PLATES	

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
(2) SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74 (N)

PANEL A1P [illegible] x 57'-7"

BLDG. B FLOORS 74 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-3 PLATE

APPROVED FOR FABRICATION FOR PONYA BY James White DATE 1/2/70

DRAWN BY [illegible] DATE FEB 24, 1968

APPROVED FOR FABRICATION FOR FABRICATOR DATE

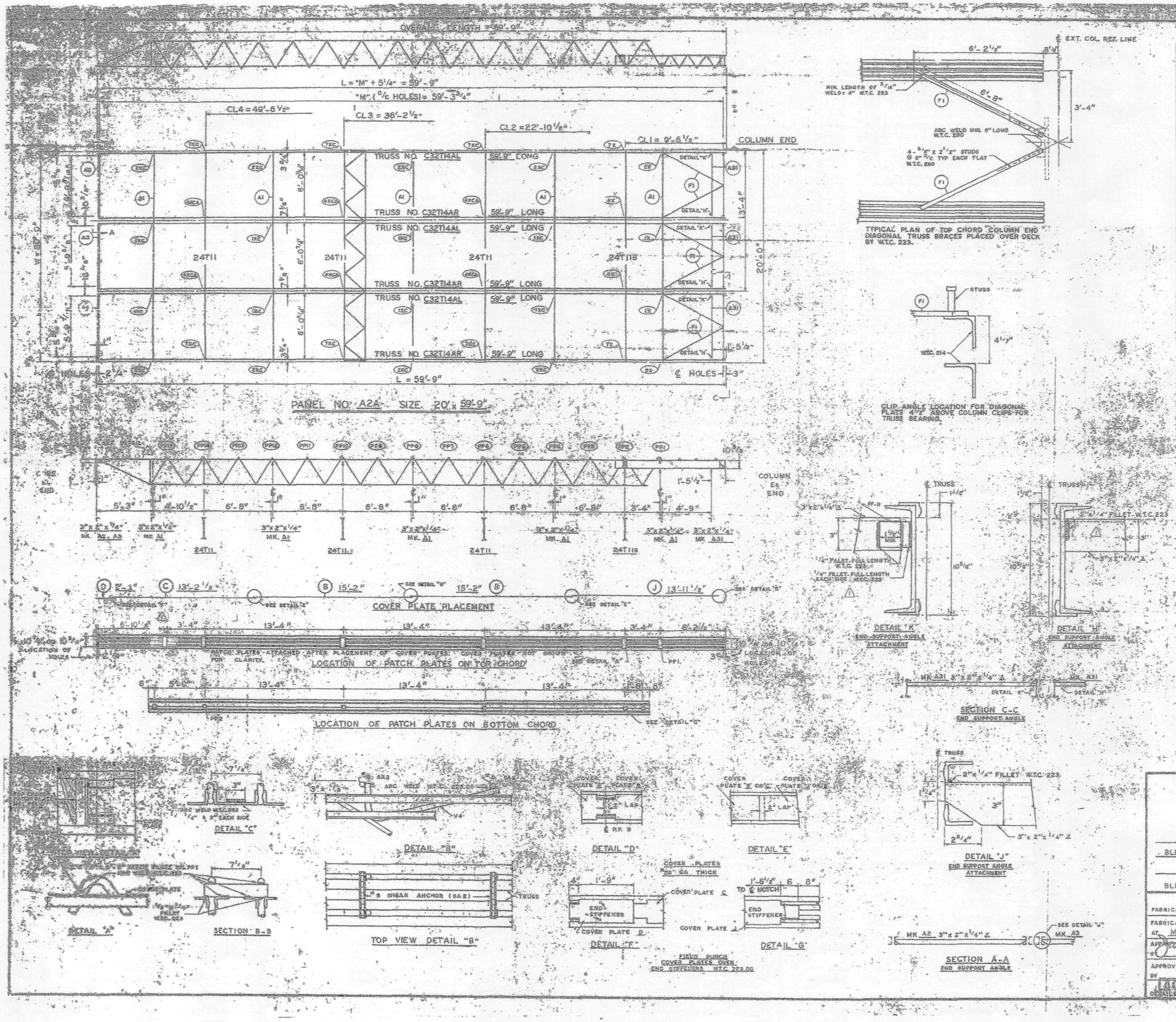
CHECKED BY T. CHURA DATE OCT. 11, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A C WEBER

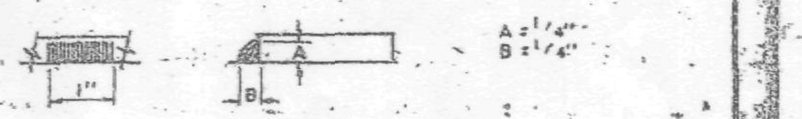
FABRICATION CONT. NO. W T C 221

SHEET NO FD A1P



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11	3	24T11 x 19'-11"	BT 211
	T11B	1	24T11B x 19'-11"	BT 211B
3" x 2" x 1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	8	9" x .0135" x 5'-2"	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 303
	J	4	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	10	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400
	P9	8	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

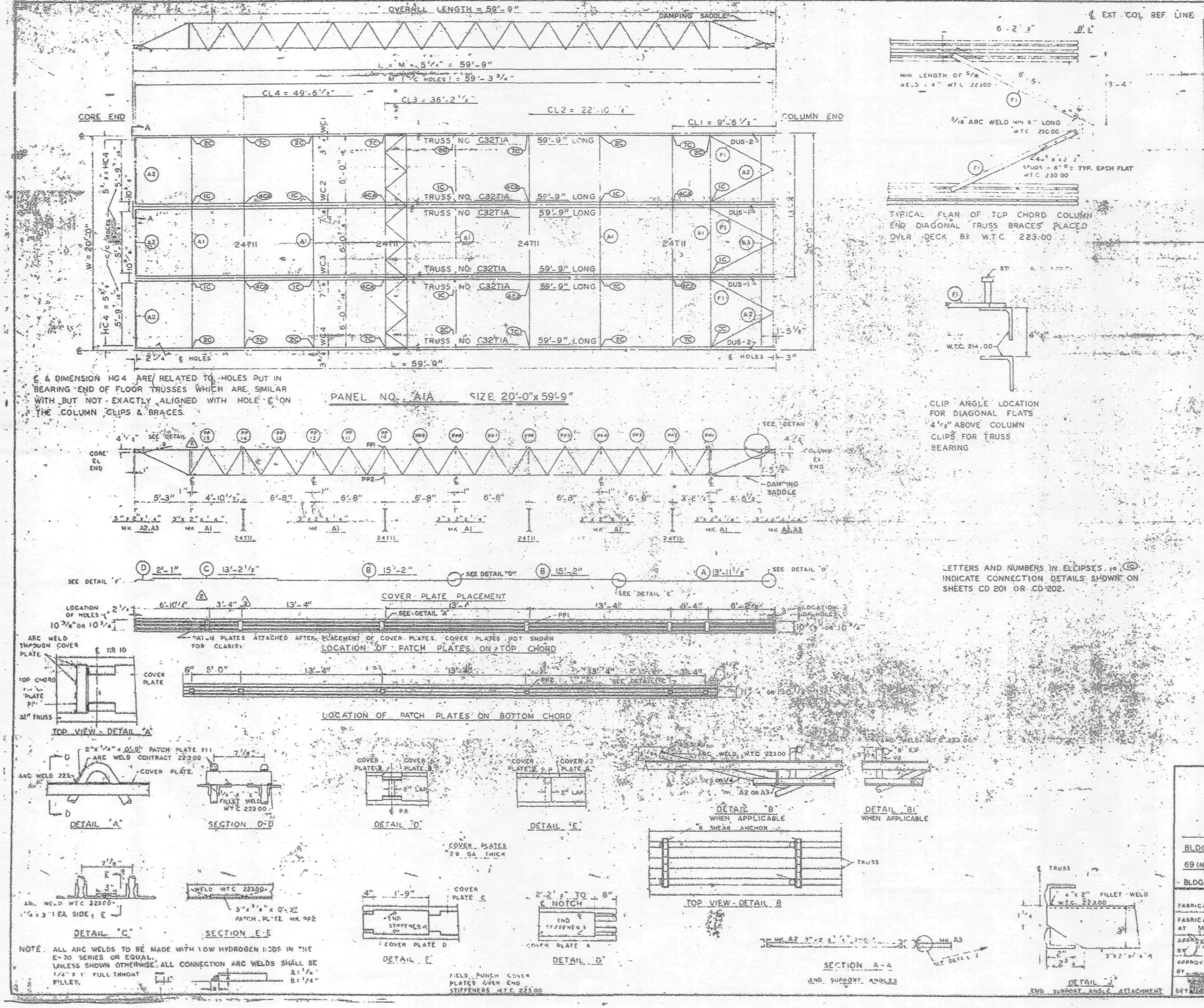
7-AB3-25	10-4-68
7-AB3-24	8-15-68
7-AB1-13	10-4-68
7-AB2-5	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) (1)
PANEL 2A 20' x 59'-9"
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 1/2/70	DRAWN BY R.R. DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHIURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY C.A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP-A2A



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

CLIP ANGLE LOCATION FOR DIAGONAL FLATS $4\frac{1}{2}$" ABOVE COLUMN CLIPS FOR TRUSS BEARING

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE, ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4", B = 1/4"

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST20[illegible]
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST2[illegible]
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-[illegible]	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	[illegible] x [illegible]-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 3 1/2"	ST 400
	P2	8	4 1/2" x .30" x 0'-9"	ST 400
	P3	8	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
4	5-13-69	AS NOTED	G.D.[illegible]
3	3-11-69	AS NOTED	G.D.[illegible]
2	2-17-69	AS NOTED	G.D.[illegible]
1	7-12-68	GENERAL	T.H.[illegible]

REF DRWG	
7-A84-3	10-15-68
7-A84-15 & 16	7-22-68
7-A84-41	7-22-68
SA-124 (4)	1-6-68
7-A83-2	1-3-68
7-A81-2	7-22-68
7-A82-6	7-22-68

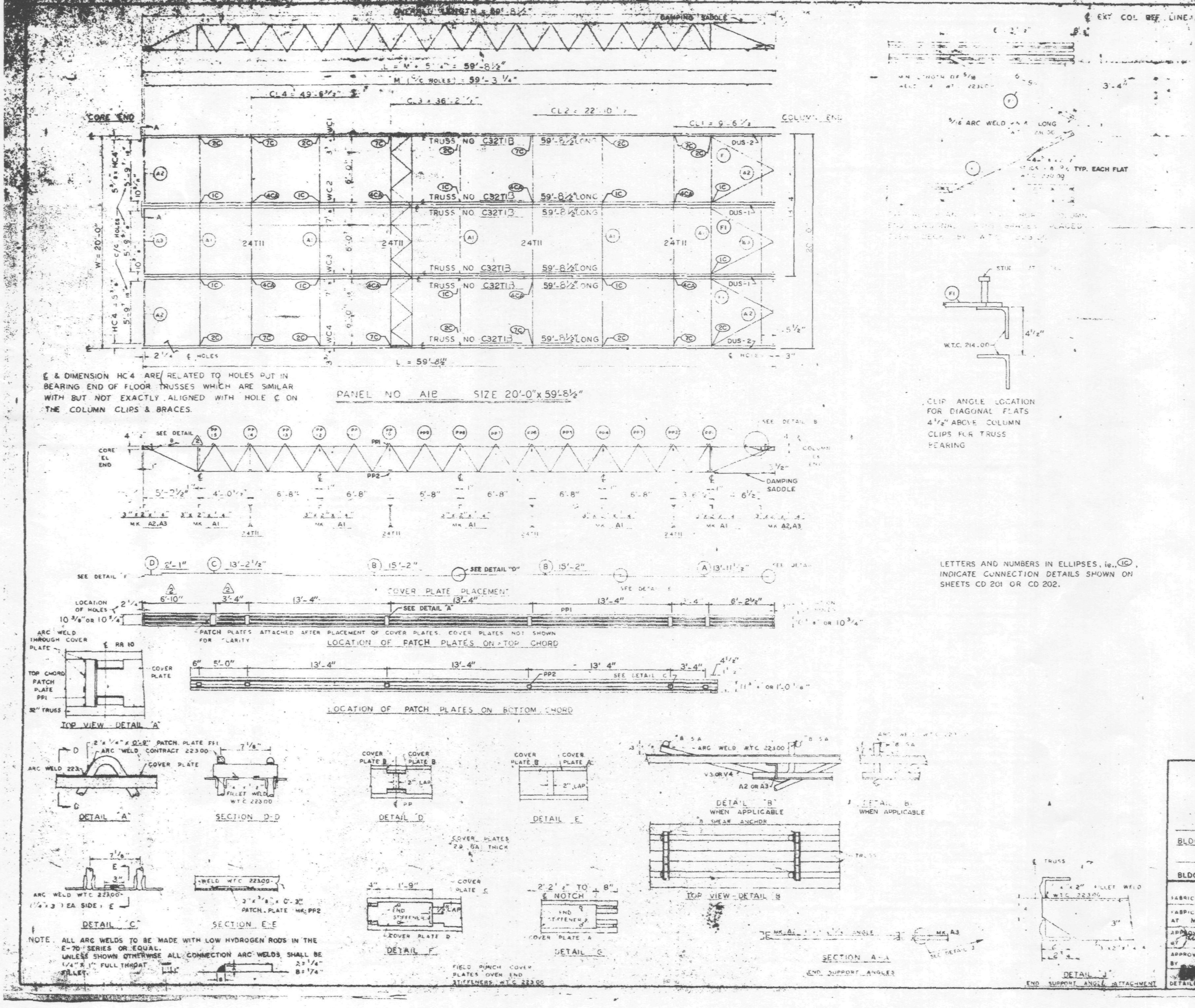
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) [illegible], 60-66, 68, 69 (NORTH) PANEL A1A - [illegible]

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST) (4)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-3	PLATE [illegible]
APPROVED FOR FABRICATION BY [illegible]	DATE [illegible]	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY [illegible]	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF [illegible]
DETAILED BY LACLEDE STEEL CO.		FABRICATION CONT. NO. WTC 221	[illegible]



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	REF. DRWG
FLOOR TRUSSES	T13	6	C32T1 - 59'-8 1/2"	ST...
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 400
	A2	4	3"x2"x1/4"x 5'-11 1/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 3/8"x 6'-8"	ST 400
PATCH PLATES	PP1	24	2"x 1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x 13'-2 1/2"	ST303
	D	4	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"# x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x 3/8"x 6 1/2"	ST 400
	P2	8	4 1/2"x .39"x 0'-9"	ST 400
	P3	8	4 1/2"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	
1	10-21-68	AS NOTED	

REF. DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA #12 4	1-6-65
7-AB3-3	
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (NORTH) 1

PANEL A13

BLDG. B FLOORS 83-91, 93-106 (WEST) 2

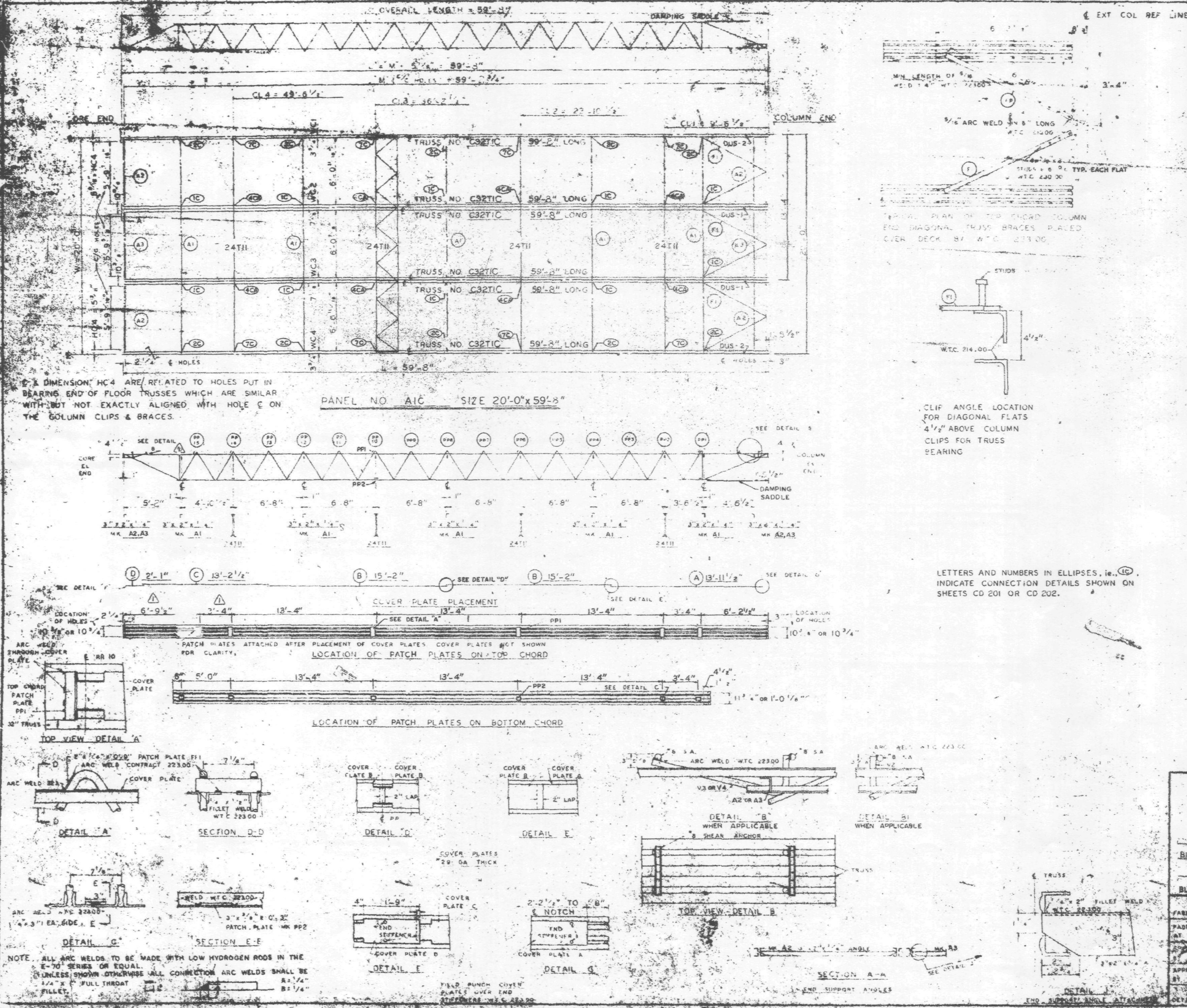
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS | DESIGN DRAWING NO. 7-AB3-3

APPROVED FOR FABRICATION BY | DATE | DRAWN BY | DATE FEB 24, 1968

APPROVED FOR FABRICATION BY FOR [redacted] | DATE | CHECKED BY L. CHURA | DATE OCT. 17, 1968

DETAILED BY A.C. WEBER | FABRICATION CONT. NO.



LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1C	6	C32T1A - 59'-8"	ST201C
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4" x 19'-11"	ST403
	A2	4	3"x2"x1/4" x 5'-11 9/16"	ST403
	A3	2	3"x2"x1/4" x 5'-11 3/4"	ST403
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST400
PATCH PLATES	PP1	24	3" x 1/4" x 0'-9"	ST400
	PP2	24	3" x 3/8" x 0'-3"	ST400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST30
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 0'-6 1/2"	ST400
	P2	8	4 1/2" x .38" x 0'-9"	ST400
	P3	8	4 1/2" x .38" x 1'-0"	ST400

NO.	DATE	REVISION
1	5-27-69	AS NOTED

REF. DRWG

7-AB4-3	2-15-68
7-AB4-15 & 16	
7-AB4-41	
SA-124	1-8-68
7-AB3-2	1-2-68
7-AB1-2	7-2-66
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS [illegible]

PANEL 31

BLDG. B FLOORS 49-58, 60-74, 78-91, 93-106 (EAST) [illegible]

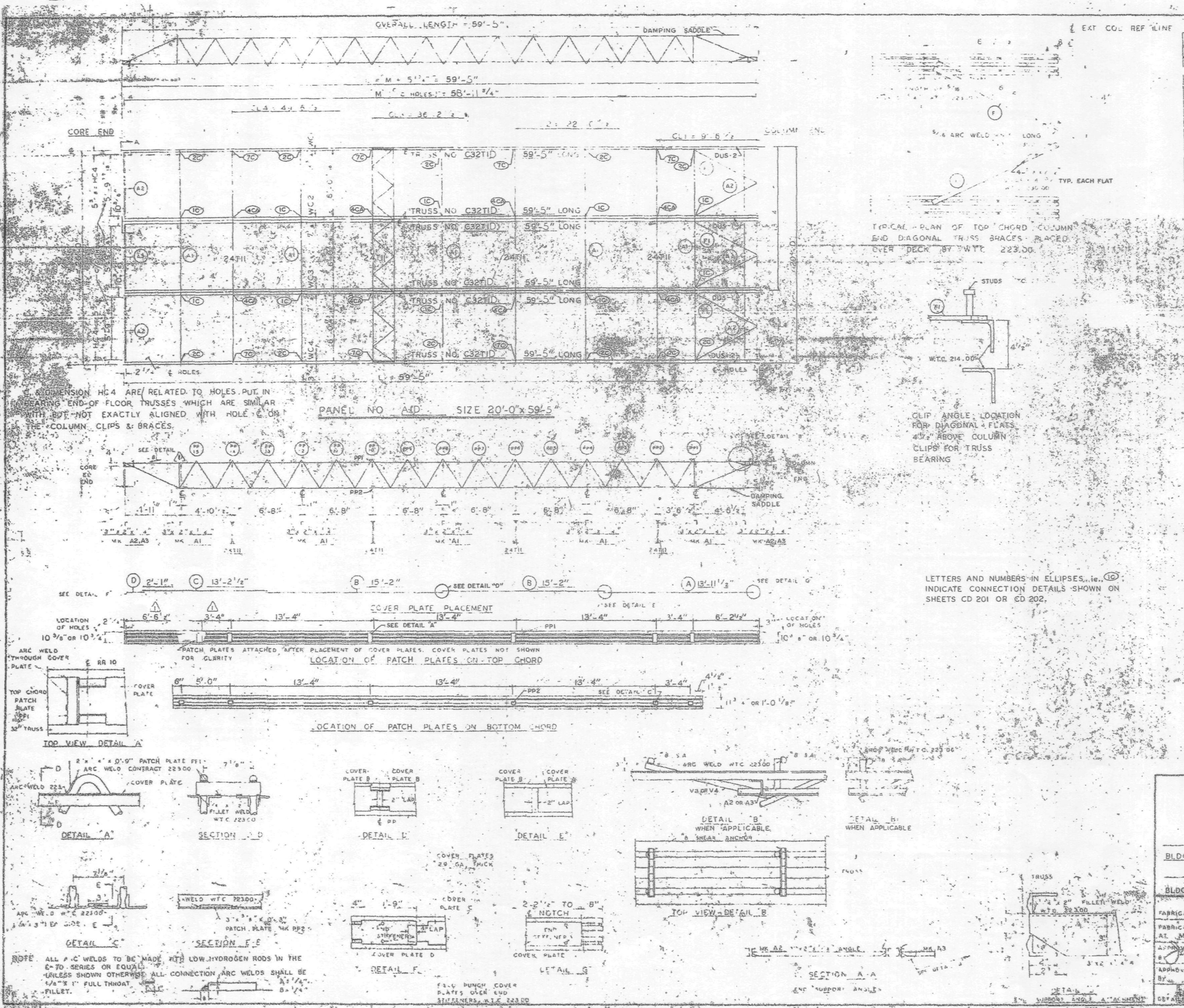
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY [redacted]

CHECKED BY T. CHURA DATE OCT. 11

DETAILED BY A.C. [illegible]



LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	6	C32T1D - 59'-5"	ST2010
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST2[illegible]
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 40[illegible]
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	[illegible]	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"x1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST 400
	P2	8	4 1/2"x.39"x0'-8"	ST 400
	P3	8	4 1/2"x.39"x1'-0"	ST 400

1	5-27-69	AS NOTED	
NO.	DATE	REVISION	BY

REF. DRWG.

7-AB4-3	10-15-68
7-AB4-5 & 16	7-22-68
7-AB4-41	7-24-68
SA-124	1-5-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

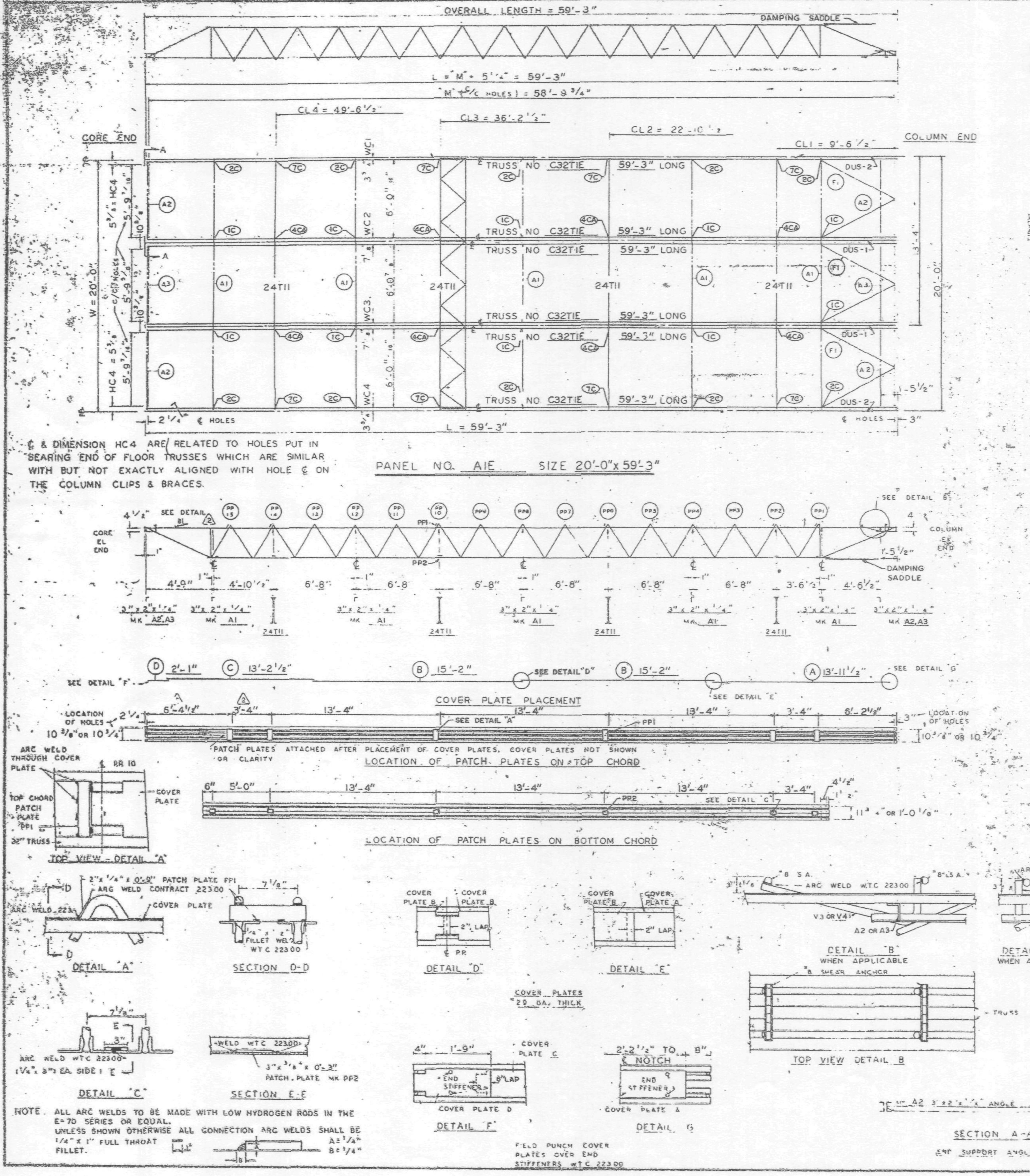
BLDG. A FLOORS 81-82 (N)

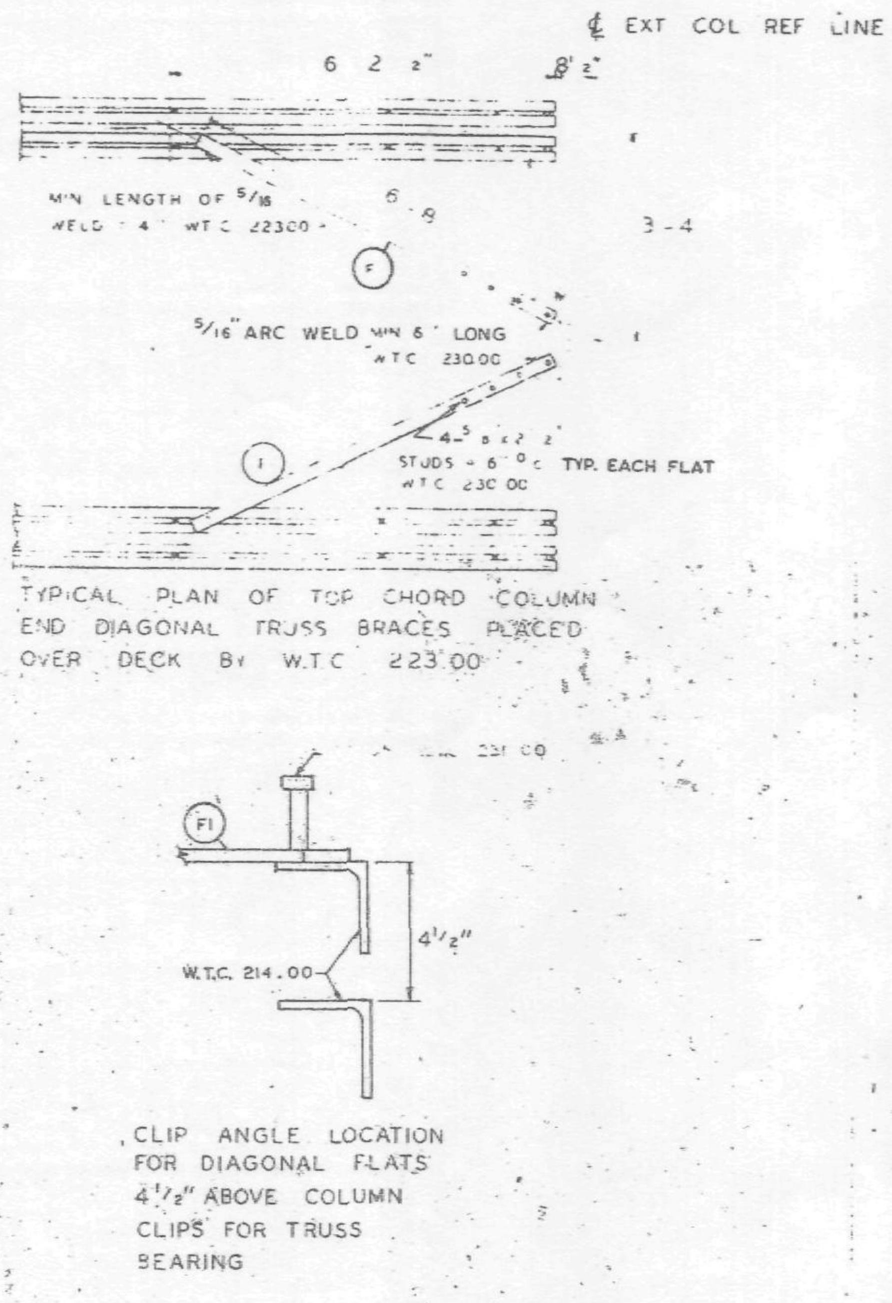
PANEL A1D

BLDG. B FLOORS 81-82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY	DATE	DRAWN BY DATE FEB. 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. [illegible] 1968	IN CHARGE
DETAILED BY		FABRICATION CONT. NO. [illegible]	SHEET [illegible]





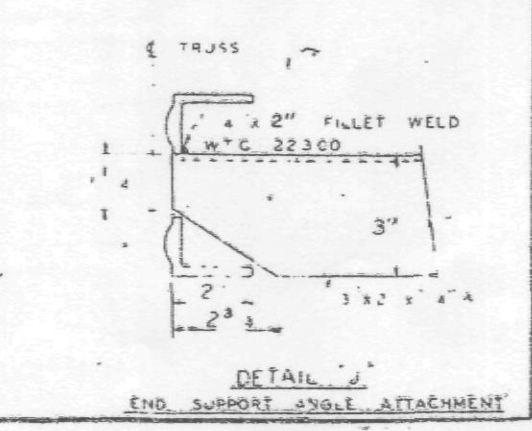
REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	TII	4	24TII - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	24	2"x 1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x 13'-2 1/2"	ST303
	D	4	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .30" x 0'-9"	ST 400
	P3	8	4 1/2" x .30" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	R.J.P.
1	7-12-68	GENERAL	T.M.C.

REF DRWG

	7-AB4-3	10-15-68
	7-AB4-15 & 16	7-22-68
	7-AB4-41	7-22-68
2	SA 124	1-6-69
	7-AB3-2	1-3-68
	7-AB1-2	7-22-68
	7-AB2-6	7-22-68

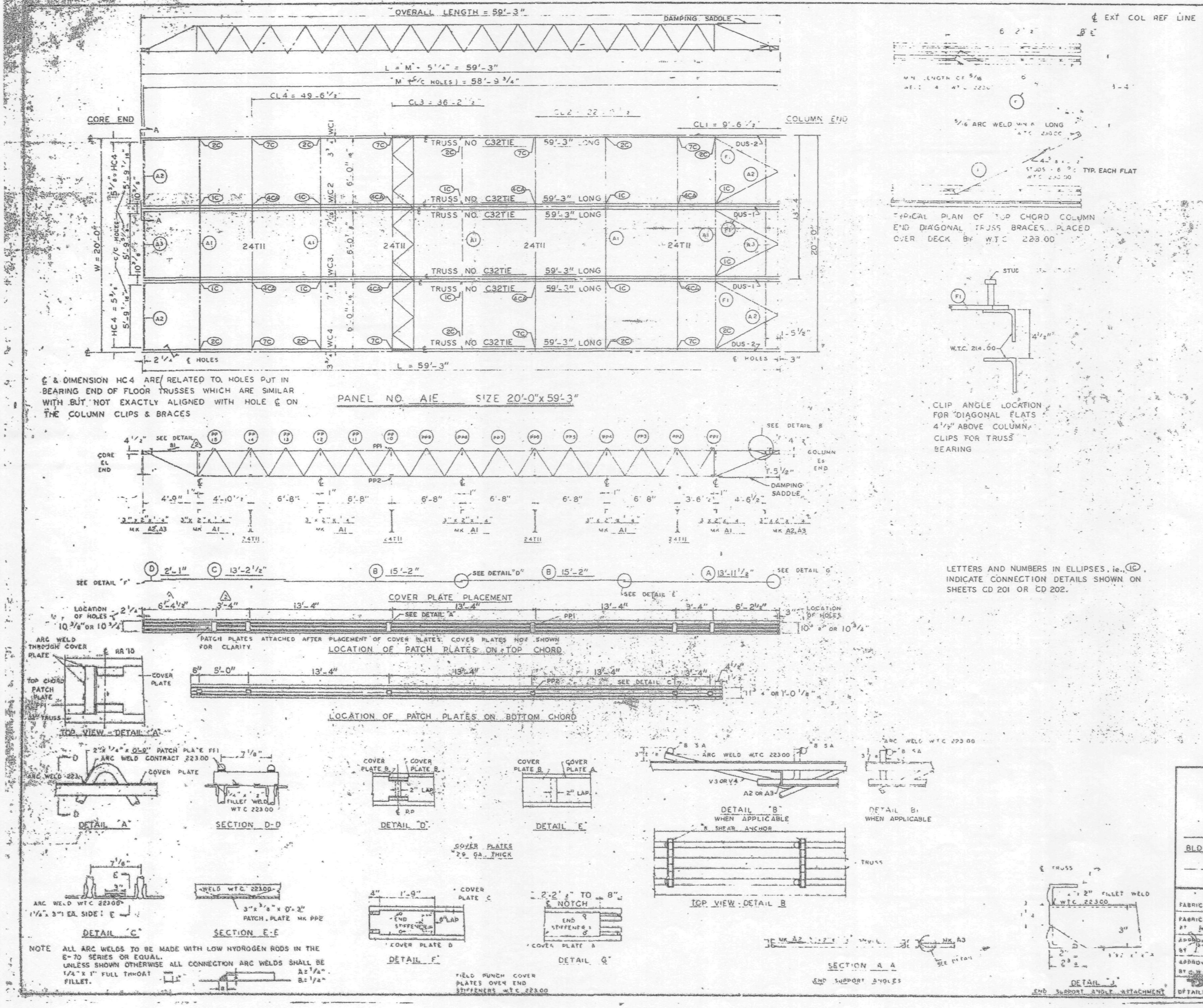


FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)
PANEL AIE

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3	PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA	DATE 1/2/70	DRAWN BY DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A C WEBER		FABRICATION CONT. NO. WTC 221	SHEET NO FP AIE



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	TII	4	24TII - 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST403
	A2	4	3"x2"x1/4"x5'-11 3/16"	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST400
	PP2	24	3"x3/8"x0'-3"	ST400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x8 1/2"	ST400
	P2	8	4 1/2"x.39"x0'-9"	ST400
	P3	8	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	RJE
1	7-12-68	GENERAL	T.M.

REF. DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

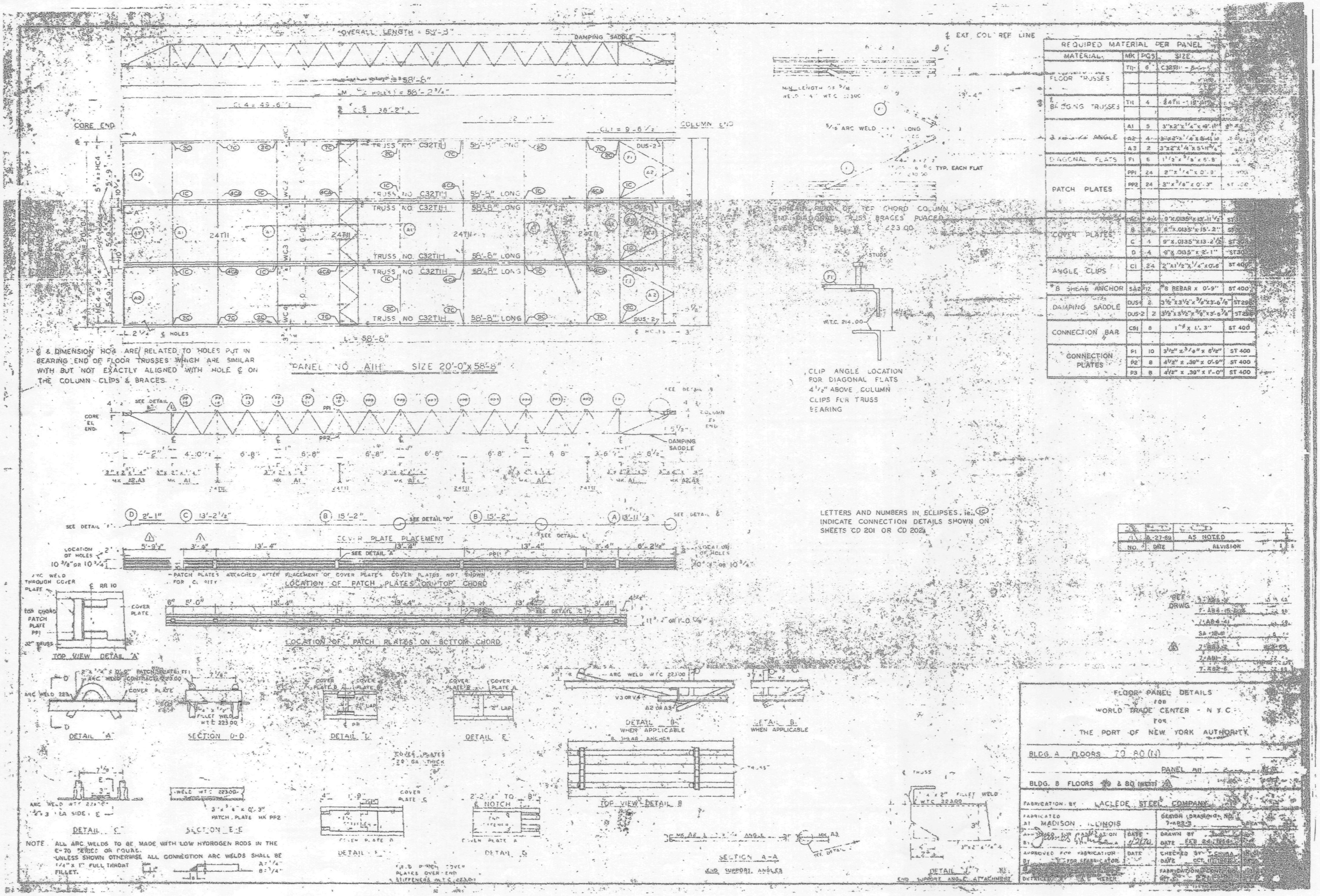
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL AIE - 20'-0" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-3 PLATE
APPROVED FOR FABRICATION BY [illegible] DATE	DRAWN BY [illegible] DATE FEB 24, 1968
APPROVED FOR FABRICATION BY [illegible] DATE	CHECKED BY J.B. PAUL DATE FEB 24, 1968 — IN CHARGE OF PROD. DIV.
DETAILED BY A.G. REBER	FABRICATION CONT. NO. W.T.C. 221 — SHEET FP AIE

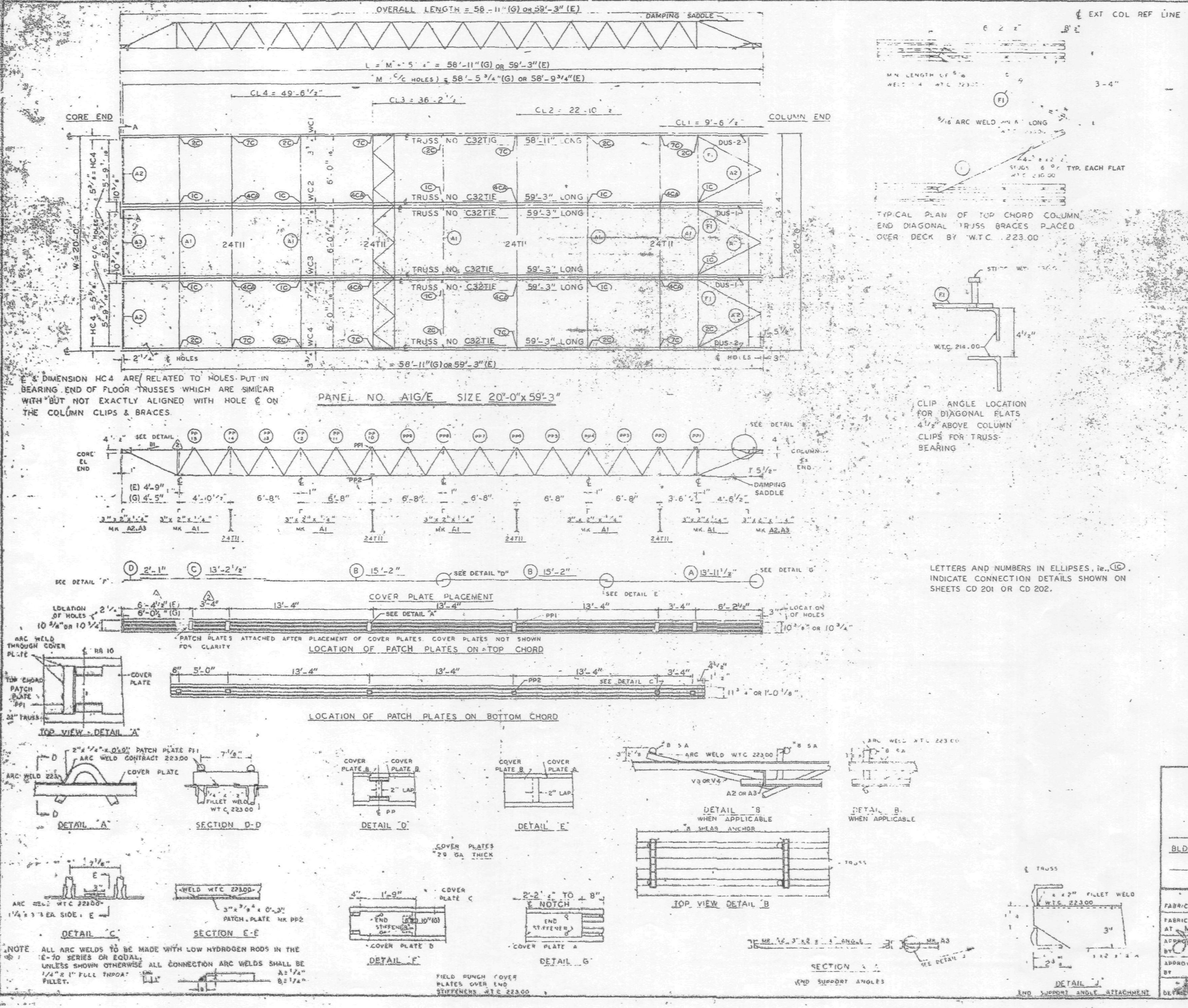


REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	6	C32T1H - 58'-8"	
BRIDGING TRUSSES	T11	4	24T11 - 18'-11"	
ANGLE	A1	5	3"x2"x1/4"x 19'-11"	
	A2	4	3"x2"x1/4"x 5'-4 7/16"	
	A3	2	3"x2"x1/4"x 5'-11 7/8"	
DIAGONAL FLATS	F1	6	1 1/2"x 5/8" x 6'-8"	
PATCH PLATES	PP1	24	2"x 1/4" x 0'-9"	
	PP2	24	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST30
	B	6	9"x.0135"x 15'-2"	ST30
	C	4	9"x.0135"x 13'-2 1/2"	ST30
	D	4	9"x.0135"x 2'-1"	ST30
ANGLE CLIPS	C1	24	2"x1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST29
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST29
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 80 (N)
PANEL A1H
BLDG. B FLOORS 79 & 80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2-3
DRAWN BY — DATE FEB 24, 1968
CHECKED BY T. CHURA DATE OCT. 11, 1968
DETAILED BY — WEBER



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4", B = 1/4"

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	TIE	5	C32TIE - 59'-3"	ST201E
	TIG	1	C32TIG - 58'-11"	ST201G
BRIDGING TRUSSES	TII	4	24TII - 19'-11"	ST21[illegible]
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST302
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 RESAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 8 1/8"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

2	5-27-69	AS NOTED		
1	7-12-68	GENERAL		
NO.	DATE	REVISION		BY

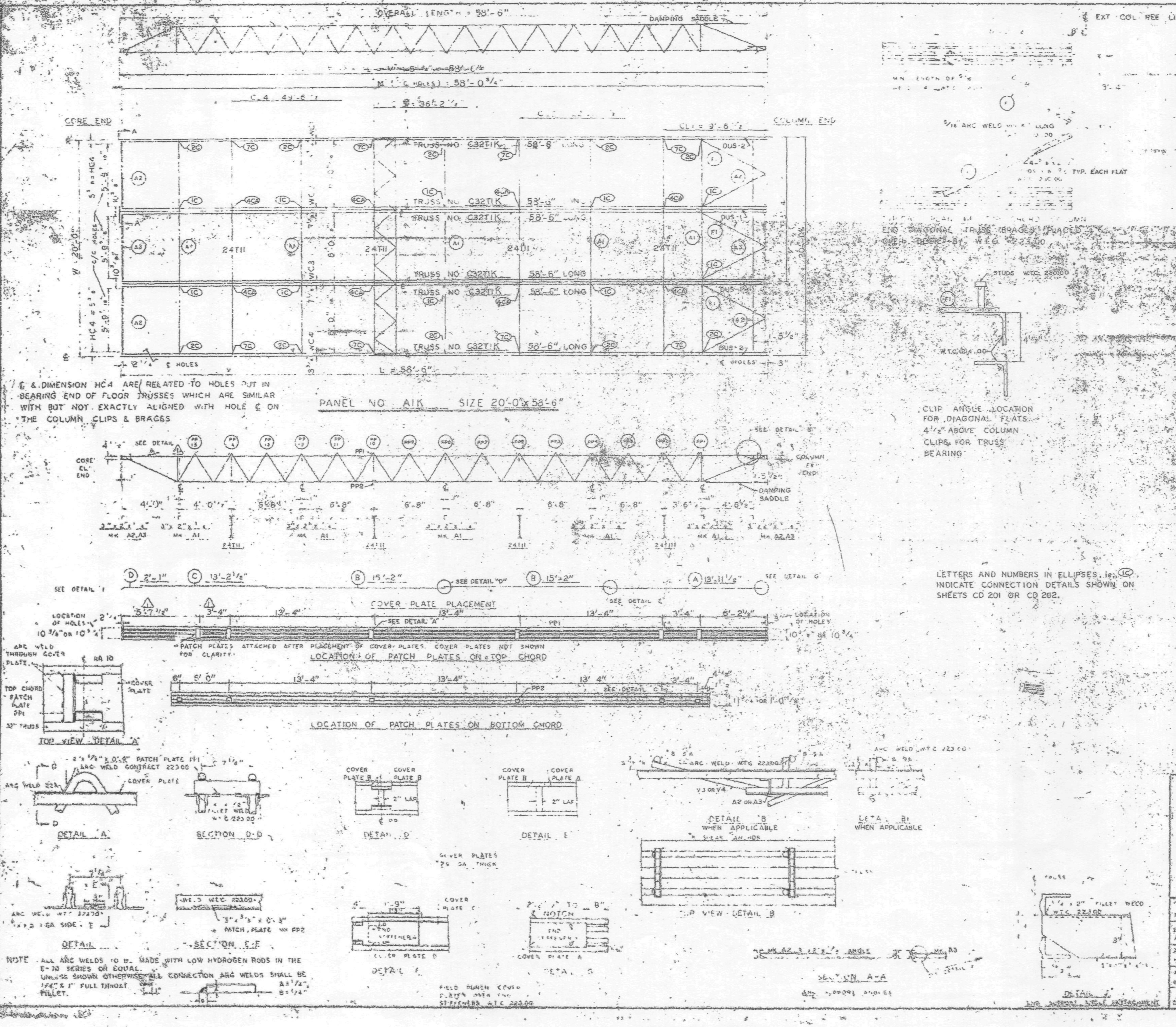
REF. DRWG.

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH)
PANEL AIG/E 20'-0" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-4 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE [illegible]
DRAWN BY [illegible] DATE FEB. 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY J.B. PAUL DATE FEB. 24, 1968
IN CHARGE OF PROD. [illegible]
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET FP AIG/E



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1	6	C32T1K - 58'-6"	ST201A
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	[illegible]
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8" x 6'-6"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2	ST303
	D	4	9"x 0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x 1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Φ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .30" x 0'-9"	ST 400
	P3	8	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION
1	5-27-69	AS NOTED

REF. DRWG.

- 7-AB3-3 — 10-15-68
- 7-AB4-15 & 16 — 7-22-68
- 7-AB4-41 — 7-22-68
- SA-124 — 1-8-69
- 7-AB3-2 — 1-3-68
- 7-AB1-2 — 7-22-68
- 7-AB2-8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 5

PANEL A1K

BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-3

APPROVED FOR FABRICATION FOR PONYA — DATE

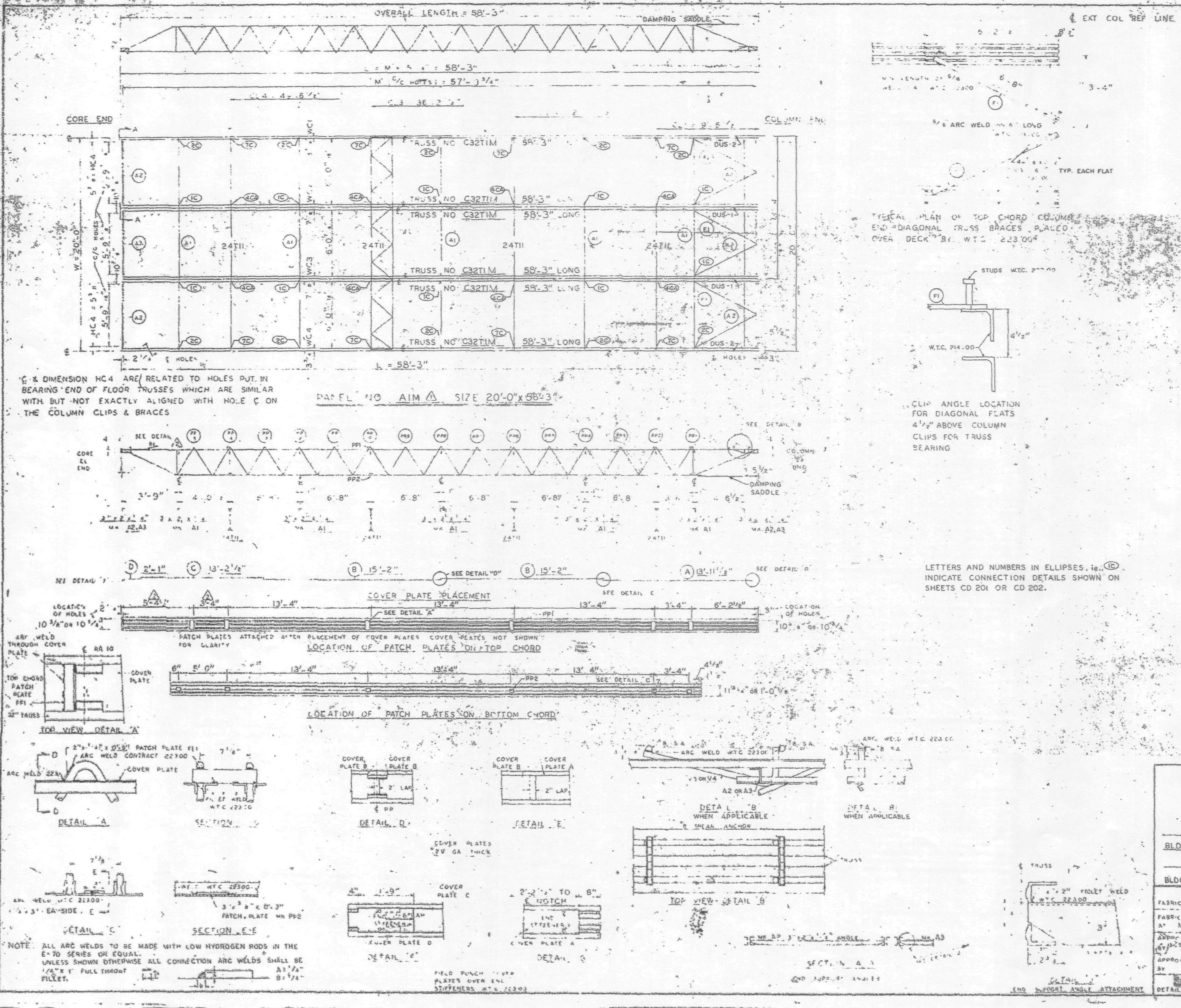
DRAWN BY — DATE FEB 24, 1968

APPROVED FOR FABRICATION BY — FOR FABRICATOR — DATE

CHECKED BY T. CHURA — DATE OCT. 11, 1968

FABRICATION CONT. NO. WTC 221

SHEET FP-A1K



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1M	6	C32T1M - 58'-3"	ST201M
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3 x 2 x 1/4 ANGLE	A1	5	3"x2"x1/4"x19'-1"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4	ST 403
DIAGONAL [illegible]	F1	6	1 1/2"x 5/8" x 6'-8	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	10	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

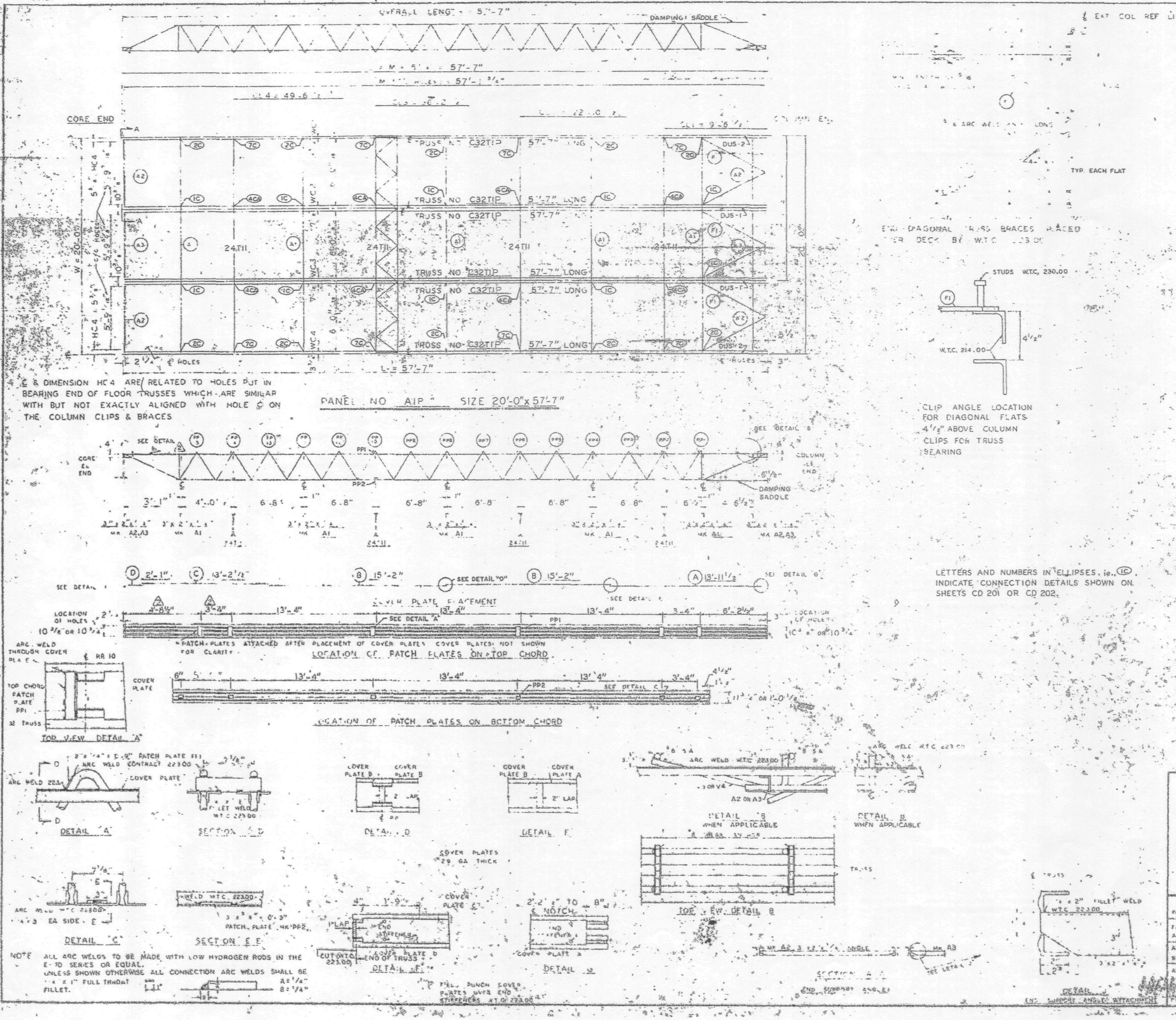
NO	DATE	REVISION
2	3-27-69	AS NOTED
1	10-21-68	AS NOTED

REF. DRWG.	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)
PANEL A1M 20'-0" x 58'-3"
BLDG. B FLOORS 72 & 73 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-3
DRAWN BY — DATE FEB 24, 1966
CHECKED BY T. CHUPA DATE OCT. 11, 1966
APPROVED FOR FABRICATION
FABRICATION CONT. NO W.T.C. 221
DETAILED BY A.S. WEBER



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1	6	C32T1P - 57'-[illegible]	ST20[illegible]
BRIDGING TRUSSES	T11	4	24T11 - 19'-[illegible]	ST2[illegible]
3 x 2 x 1/4 ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST401
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST400
	PP2	24	3"x3/8"x0'-3"	ST400
COVER PLATES	A	[illegible]	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST302
	C	4	9"x.0135"x13'-2 1/2"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x7/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x7/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"ϕ x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x8 1/2"	ST400
	P2	8	4 1/2"x.30"x0'-9"	ST400
	P3	8	4 1/2"x.30"x1'-0"	ST400

NO.	DATE	REVISION	BY
2	5-27-69	AS NOTED	RJ
		[illegible]	

REF DRWG

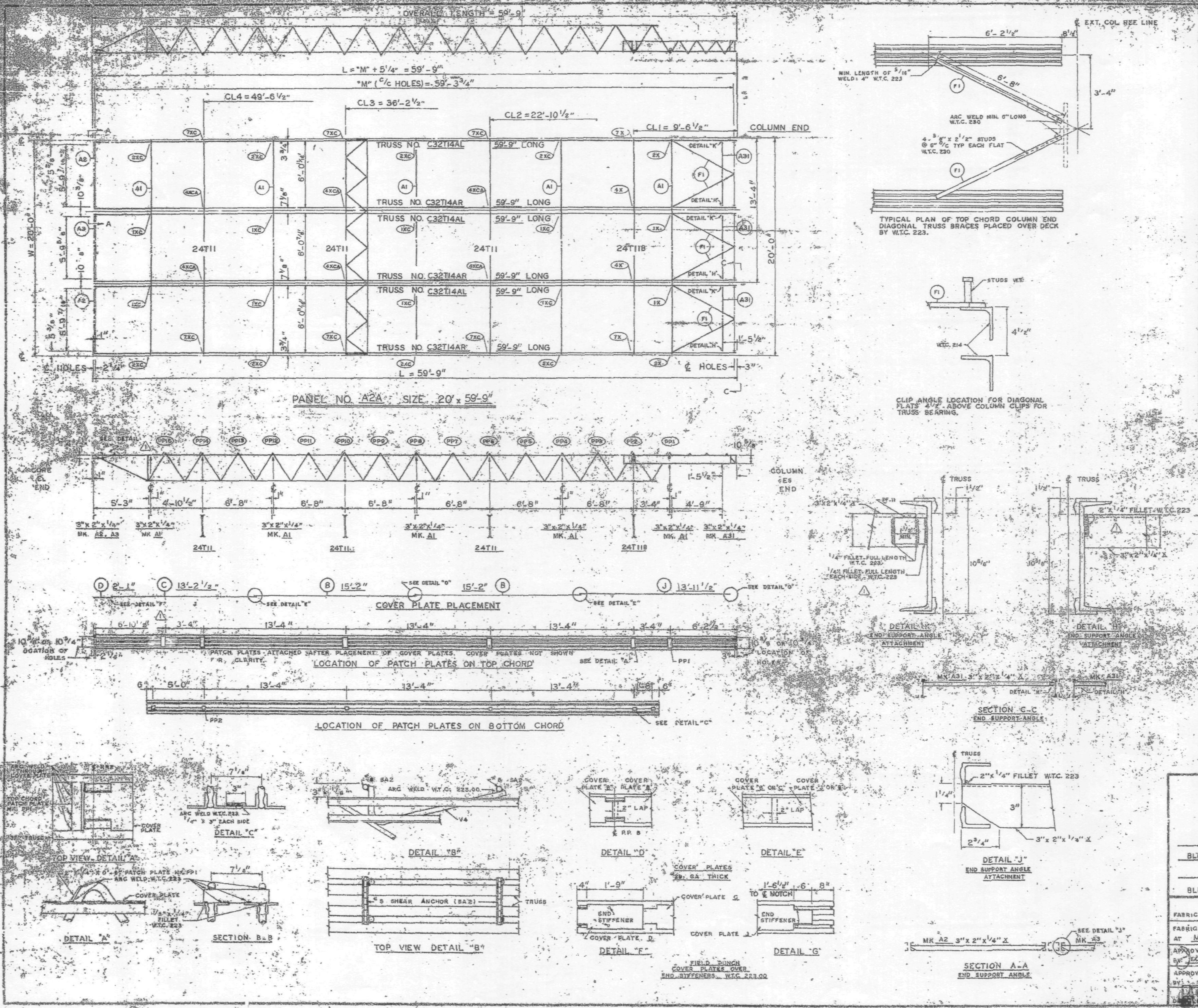
7-AB4-3	7-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124 (2)	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74(N)
PANEL A1P - 20'-0" x 57'-7"
BLDG. B FLOORS 74 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-3	PLATE
APPROVED FOR FABRICATION BY [illegible]	DATE [illegible]	DRAWN BY [illegible] DATE SEP 24, 1968	
APPROVED FOR FABRICATION	DATE	CHECKED BY T. SHUBA DATE OCT 11, 1968	IN CHARGE OF [illegible]
DETAILED BY A.G. WEBER		FABRICATION CONT. NO. WTC 221	SHEET NO. FDA1P



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11	3	24T11 x 19'-11"	ST 211
	T11B	1	24T11B x 19'-11"	ST 211B
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	8	9" x .0135" x 15'-[illegible]	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 309
	J	4	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	3" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	10	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 0'-[illegible]	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400
	P9	8	3" x 1/2" x 1'-2"	ST 408

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.		
	7-AB3-25	10-4-68
	7-AB3-24	8-15-68
	7-A91-13	10-4-68
	7-A82-5	7-22-68
	7-A82-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO.

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A — DATE

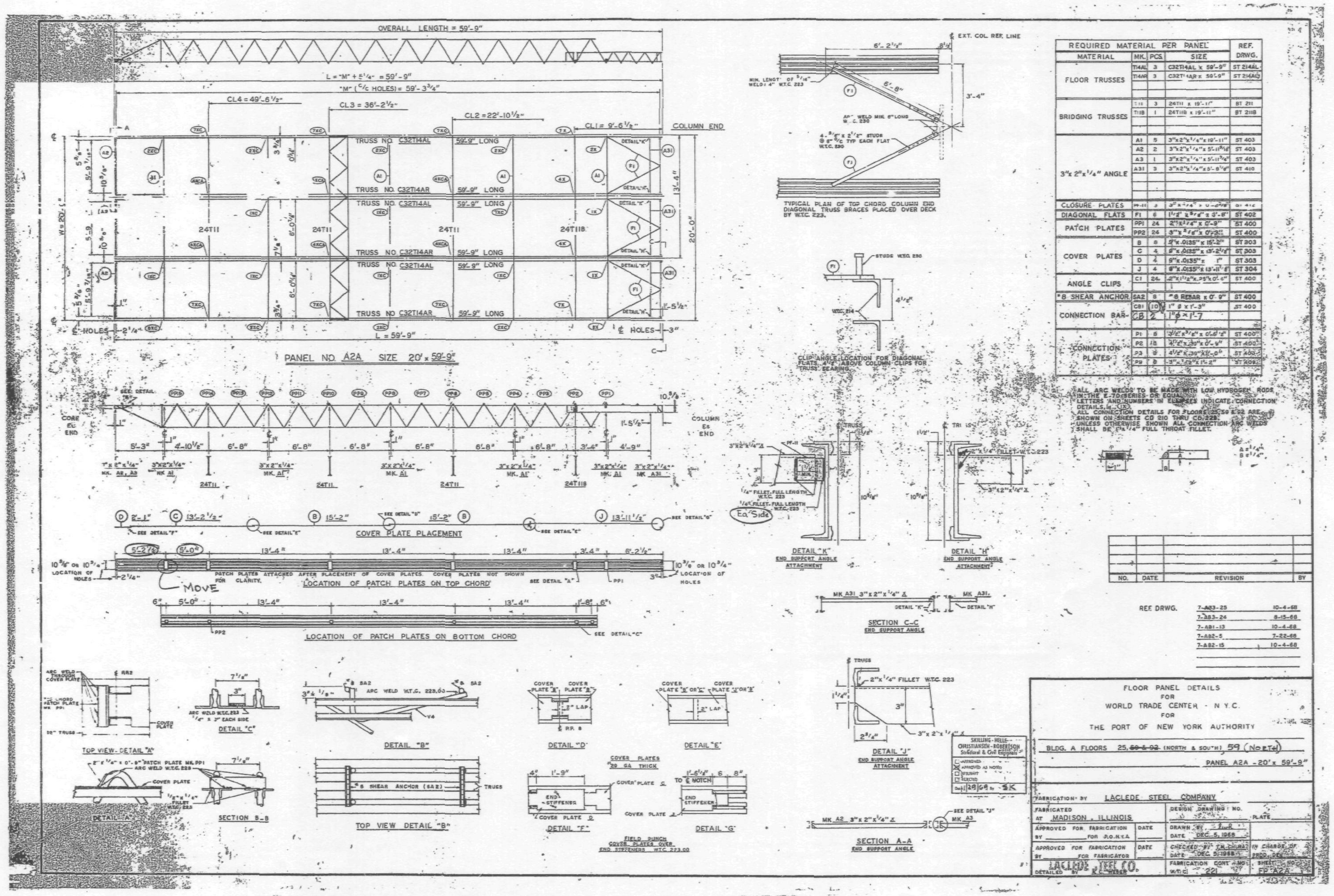
DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

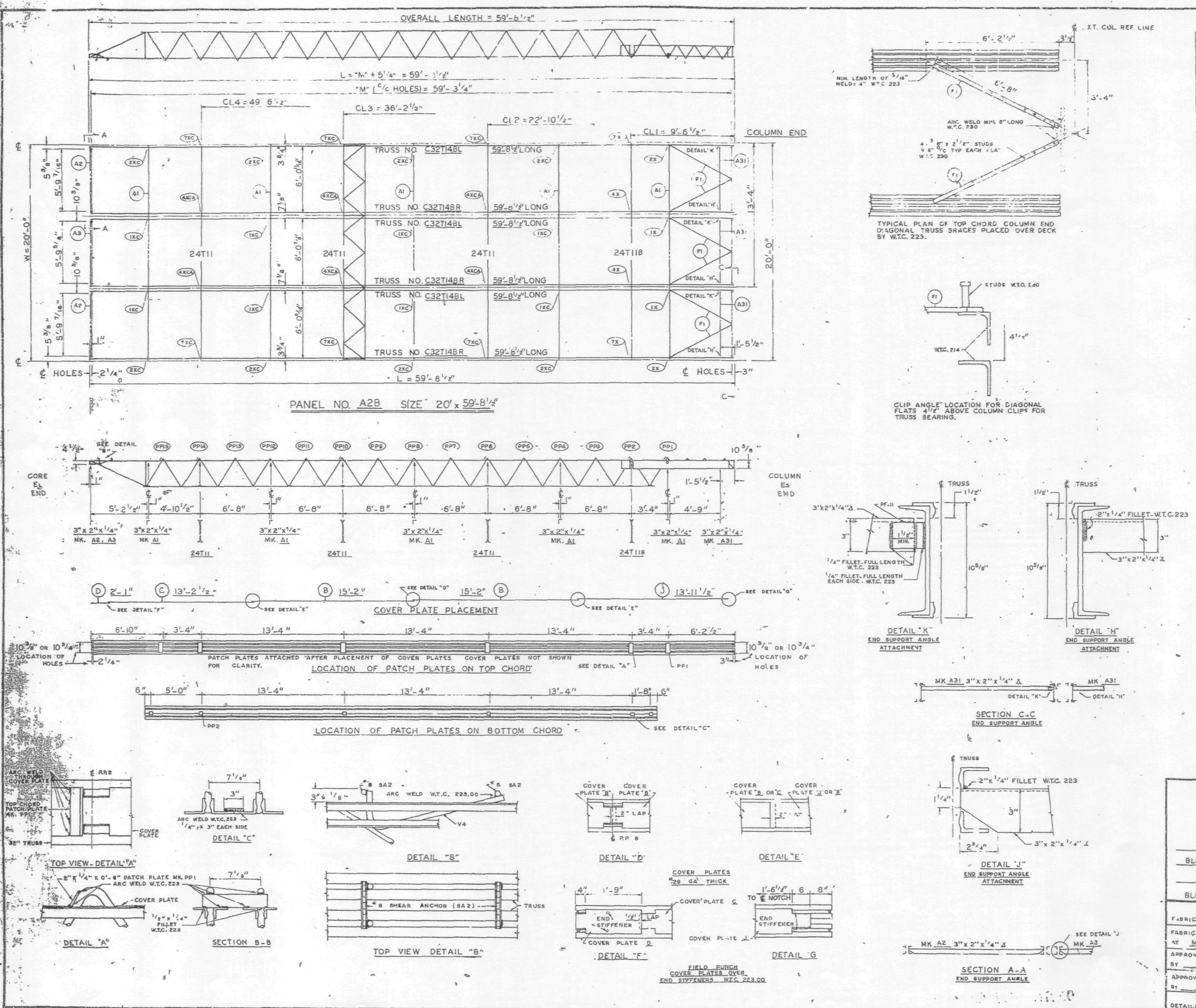
CHECKED BY: DATE DEC. 6, 1968

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FD A2A



OVERALL LENGTH = 59'-9"
PANEL NO. A2A SIZE 20' x 59'-9"
TRUSS NO. C32T14AL 59'-9" LONG
TRUSS NO. C32T14AR 59'-9" LONG
COLUMN END
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
MOVE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-3" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DETAIL "K" END SUPPORT ANGLE ATTACHMENT
DETAIL "H" END SUPPORT ANGLE ATTACHMENT
SECTION C-C END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "A"
DETAIL "C"
SECTION B-B
DETAIL "B"
TOP VIEW DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
REQUIRED MATERIAL PER PANEL
MATERIAL | MK. | PCS. | SIZE | REF. DRWG.
FLOOR TRUSSES | T14AL | 3 | C32T14AL x 59'-9" | ST 214AL
FLOOR TRUSSES | T14AR | 3 | C32T14AR x 59'-9" | ST 214AR
BRIDGING TRUSSES | T11 | 3 | 24T11 x 19'-11" | ST 211
BRIDGING TRUSSES | T11B | 1 | 24T11B x 19'-11" | ST 211B
3"x 2"x 1/4" ANGLE | A1 | 5 | 3"x2"x1/4"x19'-11" | ST 403
3"x 2"x 1/4" ANGLE | A2 | 2 | 3"x2"x1/4"x5'-11 9/16" | ST 403
3"x 2"x 1/4" ANGLE | A3 | 1 | 3"x2"x1/4"x5'-11 3/4" | ST 403
3"x 2"x 1/4" ANGLE | A31 | 3 | 3"x2"x1/4"x5'-8 1/8" | ST 410
DIAGONAL FLATS | F1 | 6 | 1 1/2" x 5/8" x 3'-6" | ST 402
PATCH PLATES | PP1 | 24 | 2"x1/4" x 0'-9" | ST 400
PATCH PLATES | PP2 | 24 | 3" x 3/8" x 0'-3" | ST 400
COVER PLATES | B | 8 | 9"x .0135" x 15'-2" | ST 303
COVER PLATES | C | 4 | 9"x .0135" x 13'-2 1/2" | ST 303
COVER PLATES | D | 4 | 9"x .0135" x 1" | ST 303
COVER PLATES | J | 4 | 9"x .0135" x 13'-11 1/2" | ST 304
ANGLE CLIPS | C1 | 24 | 2"x1 1/2"x.25"x 0'-6" | ST 400
#8 SHEAR ANCHOR | SA2 | 8 | #8 REBAR x 0'-9" | ST 400
CONNECTION BAR | CB1 | 10 | 1" ø x 1'-3" | ST 400
CONNECTION BAR | CB | 2 | 1" ø x 1'-7 |
CONNECTION PLATES | P1 | 6 | 3 1/2" x 3/8" x 0'-6 1/2" | ST 400
CONNECTION PLATES | P2 | 18 | 4 1/2" x .39" x 0'-9" | ST 400
CONNECTION PLATES | P3 | 8 | 4 1/2" x .39" x 1'-0" | ST 400
CONNECTION PLATES | P8 | 8 | 3" x 1/2" x 1'-2" | ST 409
ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 228.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1 1/2" x 1/4" FULL THROAT FILLET.
NO. | DATE | REVISION | BY
REF. DRWG.
7-A83-25 10-4-68
7-A83-24 8-15-68
7-A81-13 10-4-68
7-A82-5 7-22-68
7-A82-15 10-4-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25, ~~59 & 92~~ (NORTH & SOUTH), 59 (NORTH)
PANEL A2A - 20' x 59'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
DETAILED BY K.C. WEBER
LACLEDE STEEL CO.
DESIGN DRAWING NO.
PLATE
DRAWN BY
DATE DEC. 5, 1968
CHECKED BY T.M. CHURAT
DATE DEC. 5, 1968
IN CHARGE OF PROD. DEPT.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP A2A
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON Structural & Civil Engineers



REQUIRED MATERIAL [illegible]				REF.
MATERIAL	[illegible]	[illegible]	SIZE	DRWG
FLOOR TRUSSES	T14BL	3	[illegible] x 59'-8 1/2"	ST 214BL
	T14BR	[illegible]	[illegible] x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	[illegible]	4	[illegible] 9'-11"	BT 211
		4	[illegible]	BT 211B
3"x 2"x 1/4" ANGLE	[illegible]	[illegible]	[illegible] 19'-11"	ST 403
	[illegible]	[illegible]	[illegible] 2"x [illegible] -11 9/16"	ST 403
	[illegible]	[illegible]	[illegible] 11 3/4"	ST 403
	[illegible]	[illegible]	[illegible] -8 1/2"	ST 410
CLOSURE PLATES	[illegible]	3	[illegible] 2 3/8"	ST 4[illegible]
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	8	9" x .0135" x 15'-2"	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 303
	J	4	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	10	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400
	P9	8	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

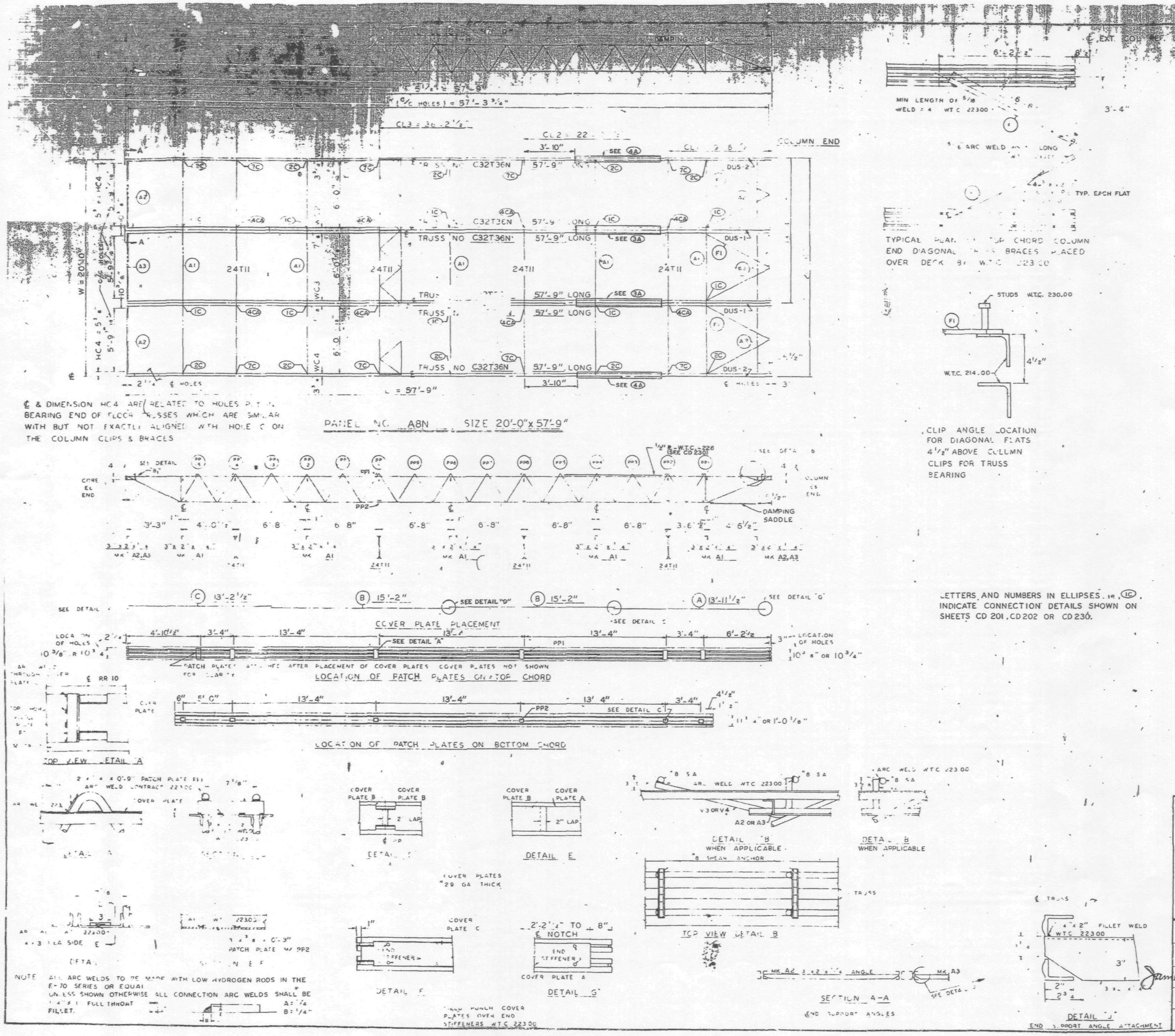
REF. DRWG.

7-AB3-25	10-4-68
7-AB3-24	8-15-68
7-AB1-13	10-4-68
7-AB2-5	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
[illegible]
[illegible] TRADE CENTER N Y C
[illegible]
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)
PANEL A2[illegible] - 20' x 59'-8 1/2"
BLDG B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. — PLATE
APPROVED FOR FABRICATION BY — FOR P.O.N.Y.A. DATE 4/9/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY — FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. 221
SHEET NO. FP A2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T36N		C32T36N-57'-9"	
BRIDGING TRUSSES	T11	4	24T11 - 19'-1"	
3 x 2 x 1/4 ANGLE	A1	5	3"x2"x1/4"x19'-1"	ST 403
	A2	4	3"x2"x1/4"x5'-11"	ST 403
	A3	2	3"x2"x1/4"x5'-11"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 0'-8"	ST 402
PATCH PLATES	PP1	24	2"x 1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8"x 0'-	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	x -3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 3 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3	10-15-68
7-AB4-15,16,39 & 41	7-22-68
7-AB4-3.1	1-3-68
SA-124	1-6-68
7-AB3-53	1-6-69
7-AB1-32	1-6-69
7-AB2-6	7-22-68

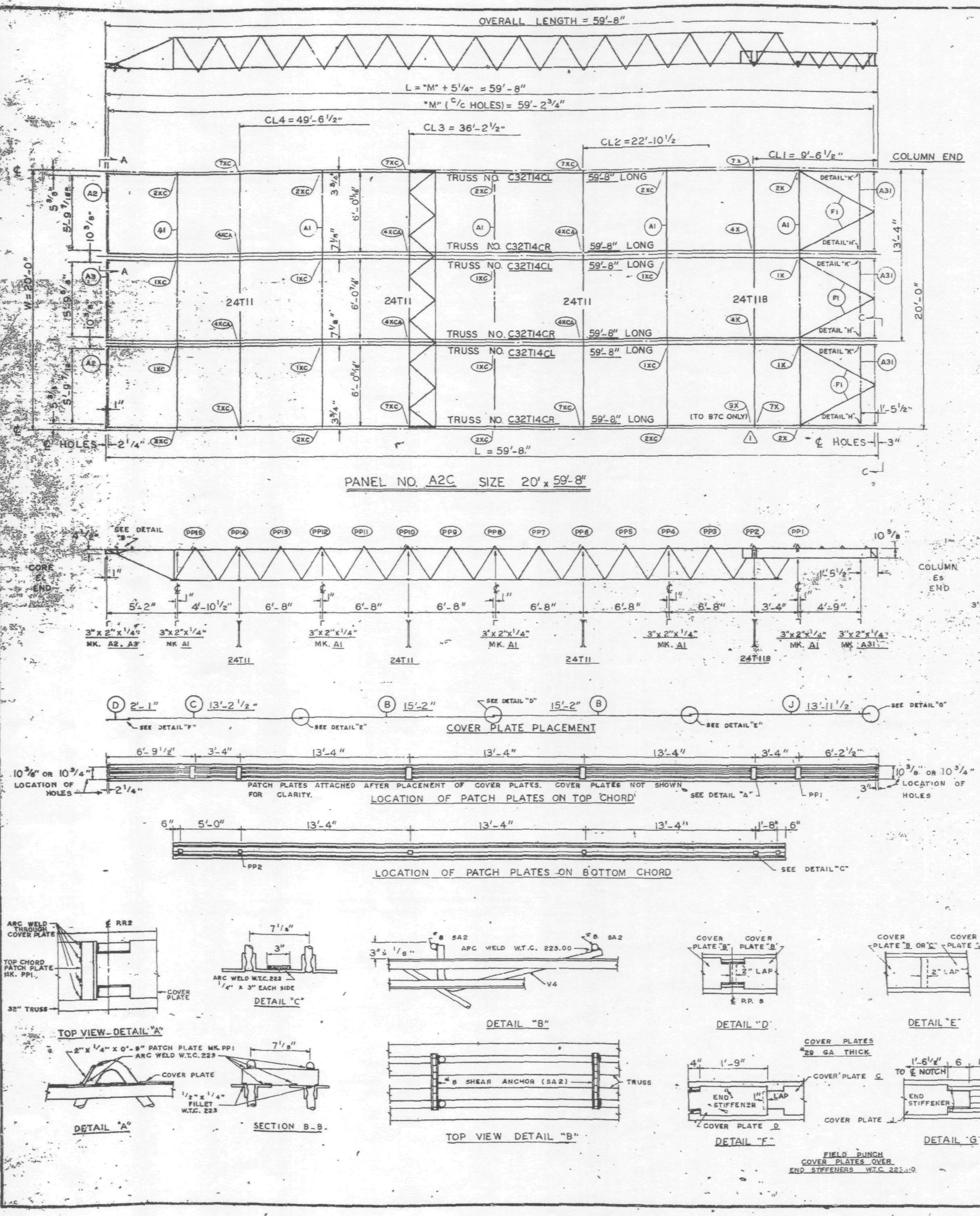
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

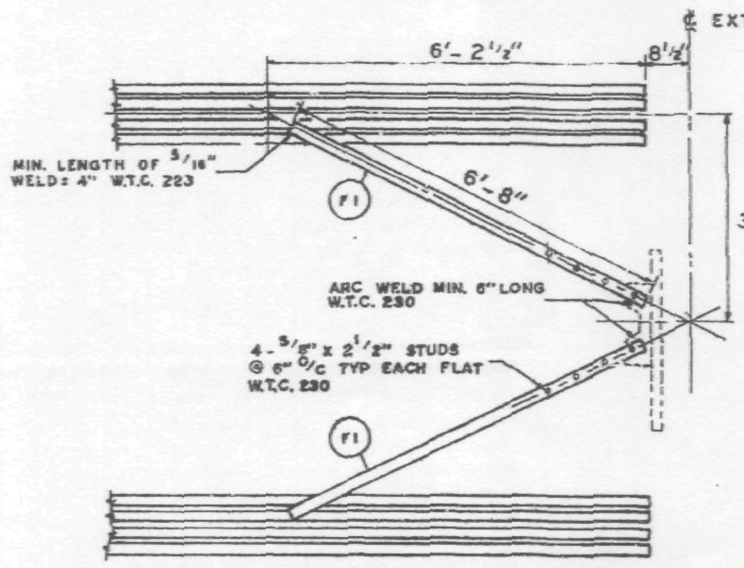
BLDG A FLOORS 44 (SOUTH ONLY)

PANEL A8N - 20'-0" x 57'-9"

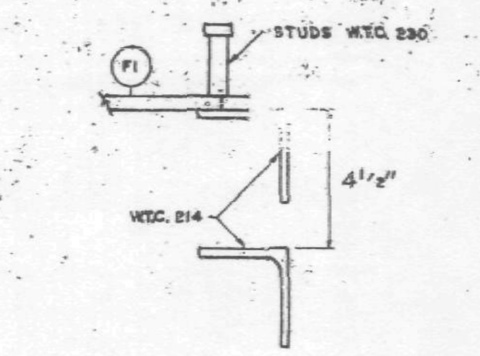
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7 AB3-53	PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA	DATE 4/22/69	DRAWN BY [signature] DATE APRIL 1, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE APRIL 1, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. WEBER (stamp: LACLEDE STEEL CO.)		FABRICATION CONT NO W 221	SHEET NO FP A8N





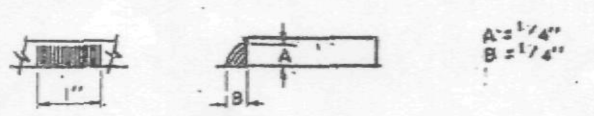
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.



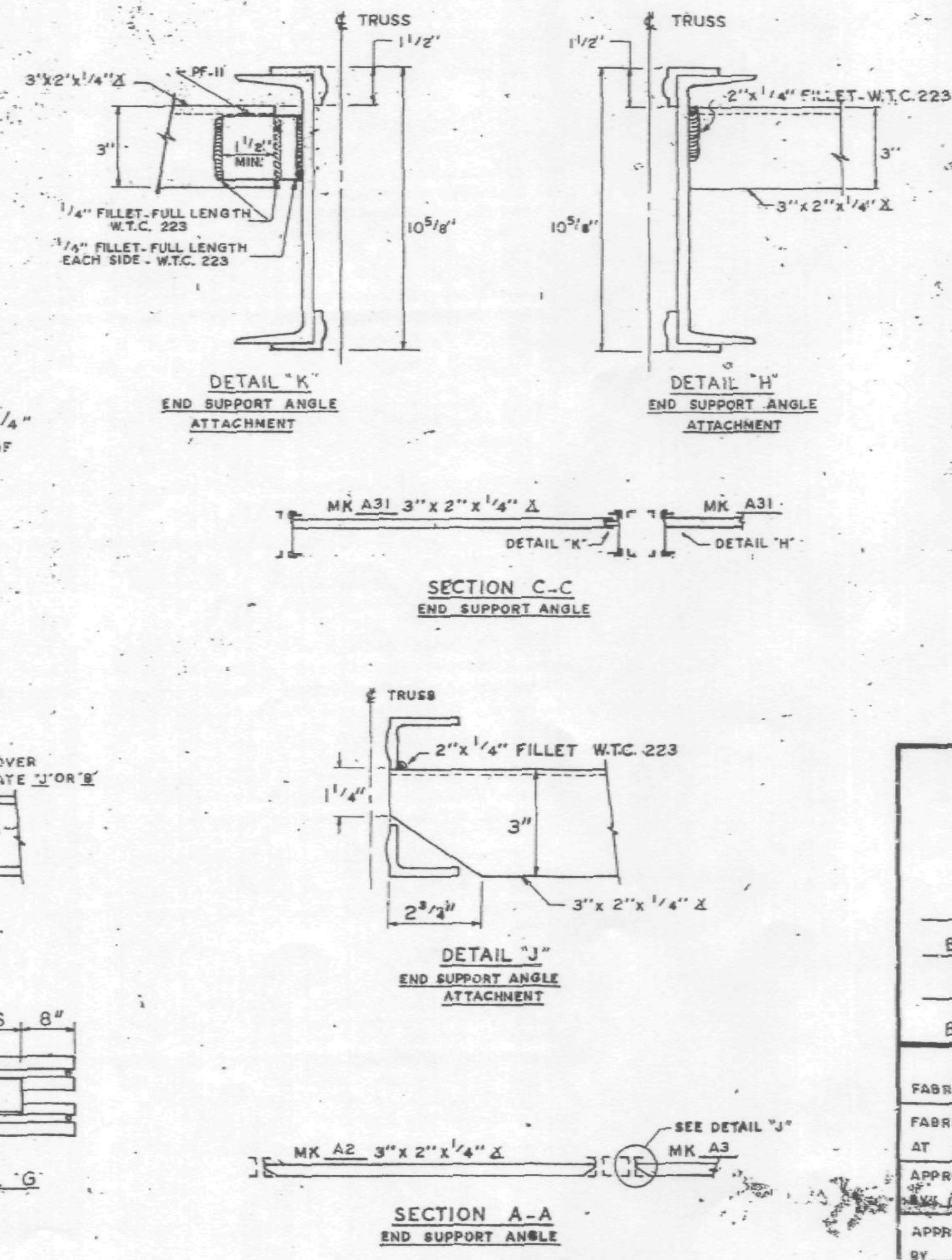
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11	3	24T11 x 19'-11"	ST 211
	T11B	1	24T11B x 19'-11"	ST 2118
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	8	9" x .0135" x 15'-2"	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 303
	J	4	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	10	1" ø x 1'-3"	ST 400
CONNECTION PLATES ⚠1	P1	8	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	8 / 7*	4 1/2" x .39" x 0'-9"	ST 400
	P3	8 / 7*	4 1/2" x .39" x 1'-0"	ST 400
	P9	8	3" x 1/2" x 1'-2"	ST 409
	P10	1*	4 1/2" x .39" x 5"	ST 409
	P11	1*	3" x 1/4" x 6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



⚠1 MATERIAL MARKED (*) IS FOR BLDG. B-EAST PANEL ONLY.



⚠1	8-13-69	AS NOTED	G.D.C.
NO.	DATE	REVISION	BY

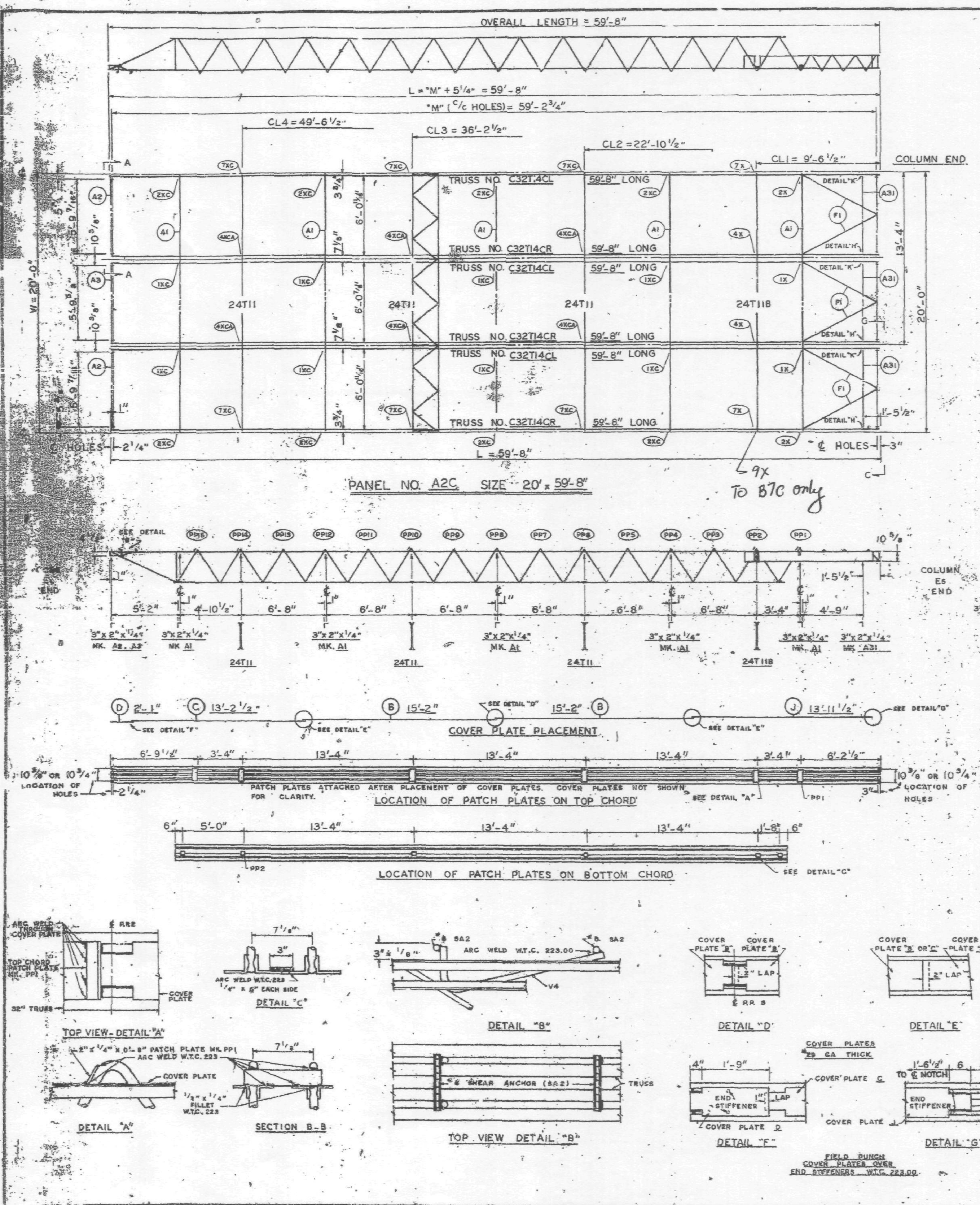
REF. DRWG.		
	7-A83-25	10-4-68
	7-A83-24	8-15-68
	7-A81-13	10-4-68
	7-A82-5	7-22-68
	7-A82-15	10-4-68

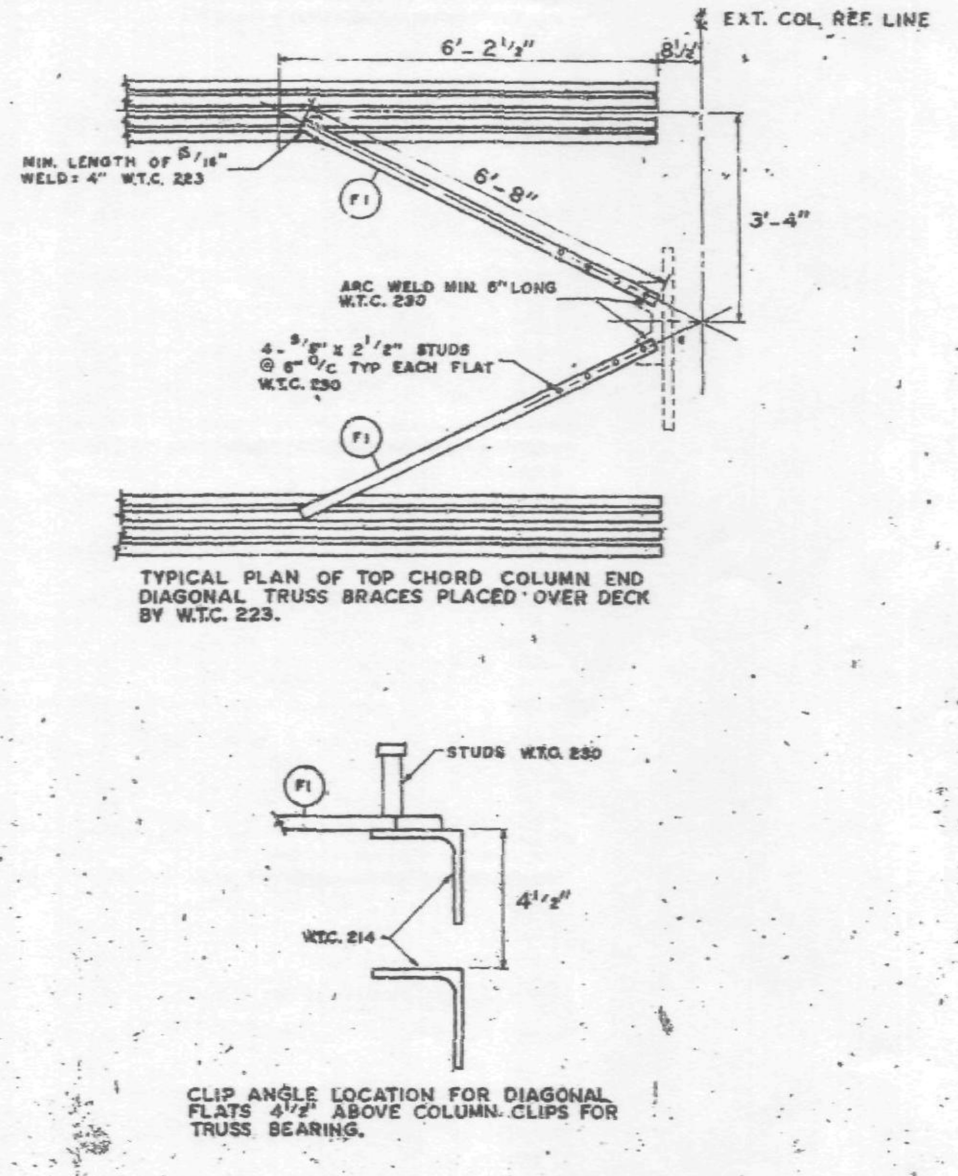
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL A2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO.	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE 7/28/69	DRAWN BY ___ DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP A2C

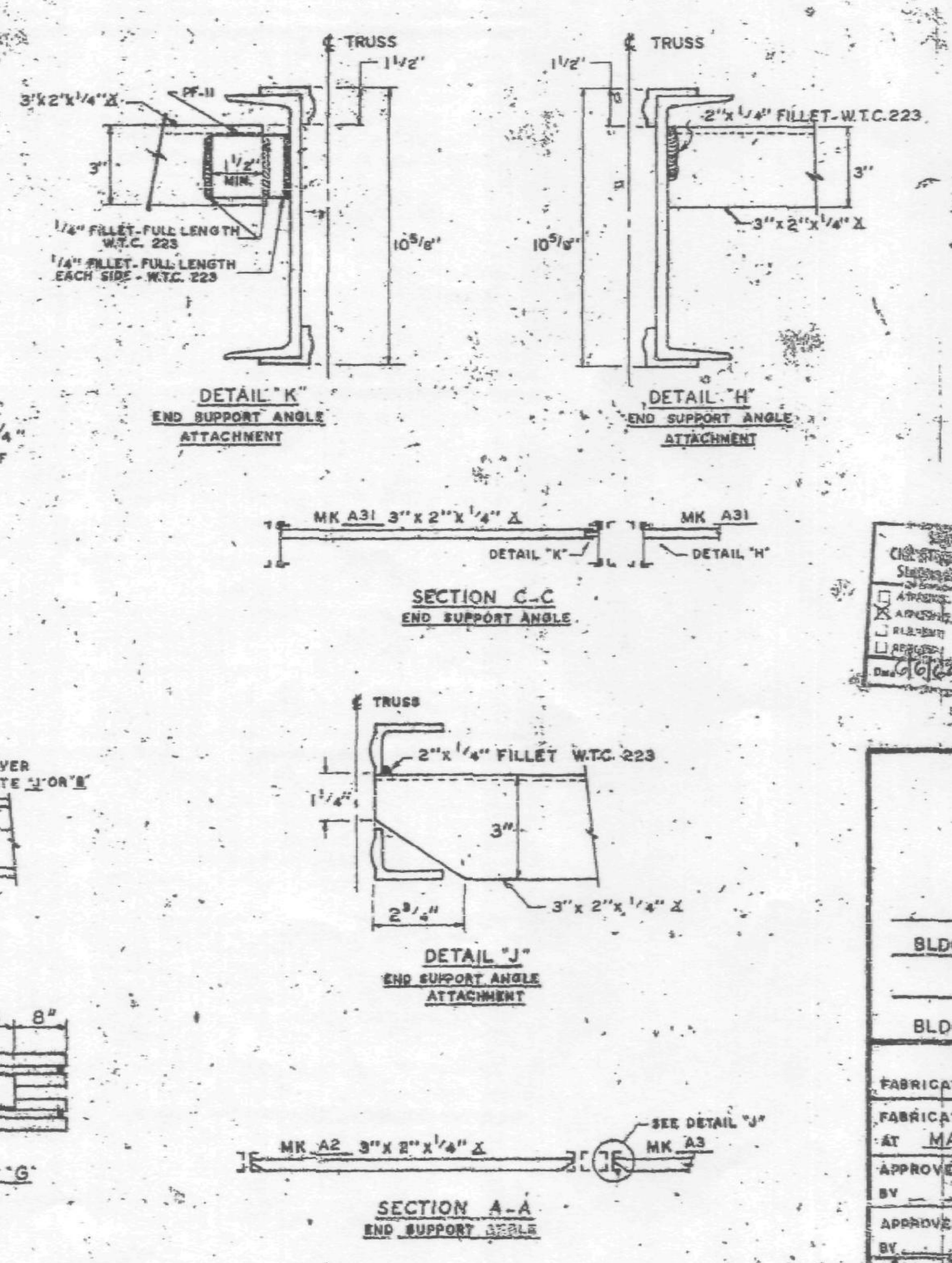




REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CR
BRIDGING TRUSSES	T11	3	24T11 x 19'-11"	BT 211
	T11B	1	24T11B x 19'-11"	BT 211B
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/8" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	8	9" x .0135" x 15'-2"	ST 303
	C	4	9" x .0135" x 13'-2 1/2"	ST 303
	D	4	9" x .0135" x 2'-1"	ST 303
	J	4	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-8"	ST 400
CONNECTION BAR	CB1	10	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	8 7*	4 1/2" x .39" x 0'-9"	ST 400
	P3	8 7*	4 1/2" x .39" x 1'-0"	ST 400
	P9	8	3" x 1/2" x 1'-2"	ST 409
	P10	1*		
	P11	1*		

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

Material marked * are for Bldg B East Panel only



NO.	DATE	REVISION	BY

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON, Structural & Civil Engineers — APPROVED AS NOTED — Date 6/6/69 By SK

REF DRWG.	
7-A83-25	10-4-68
7-A83-24	8-15-68
7-A81-13	10-4-68
7-A82-5	7-22-68
7-A82-15	10-4-68

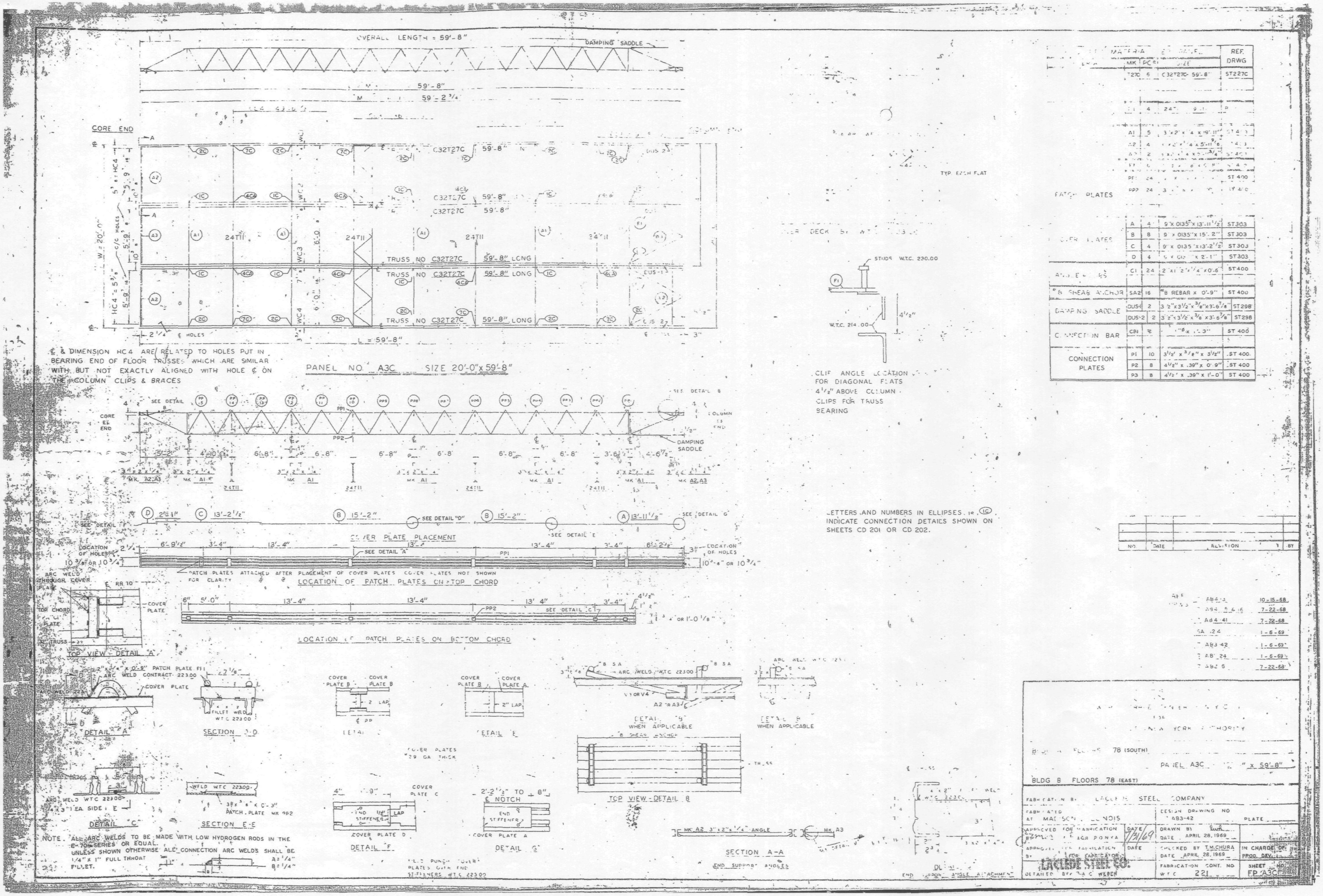
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

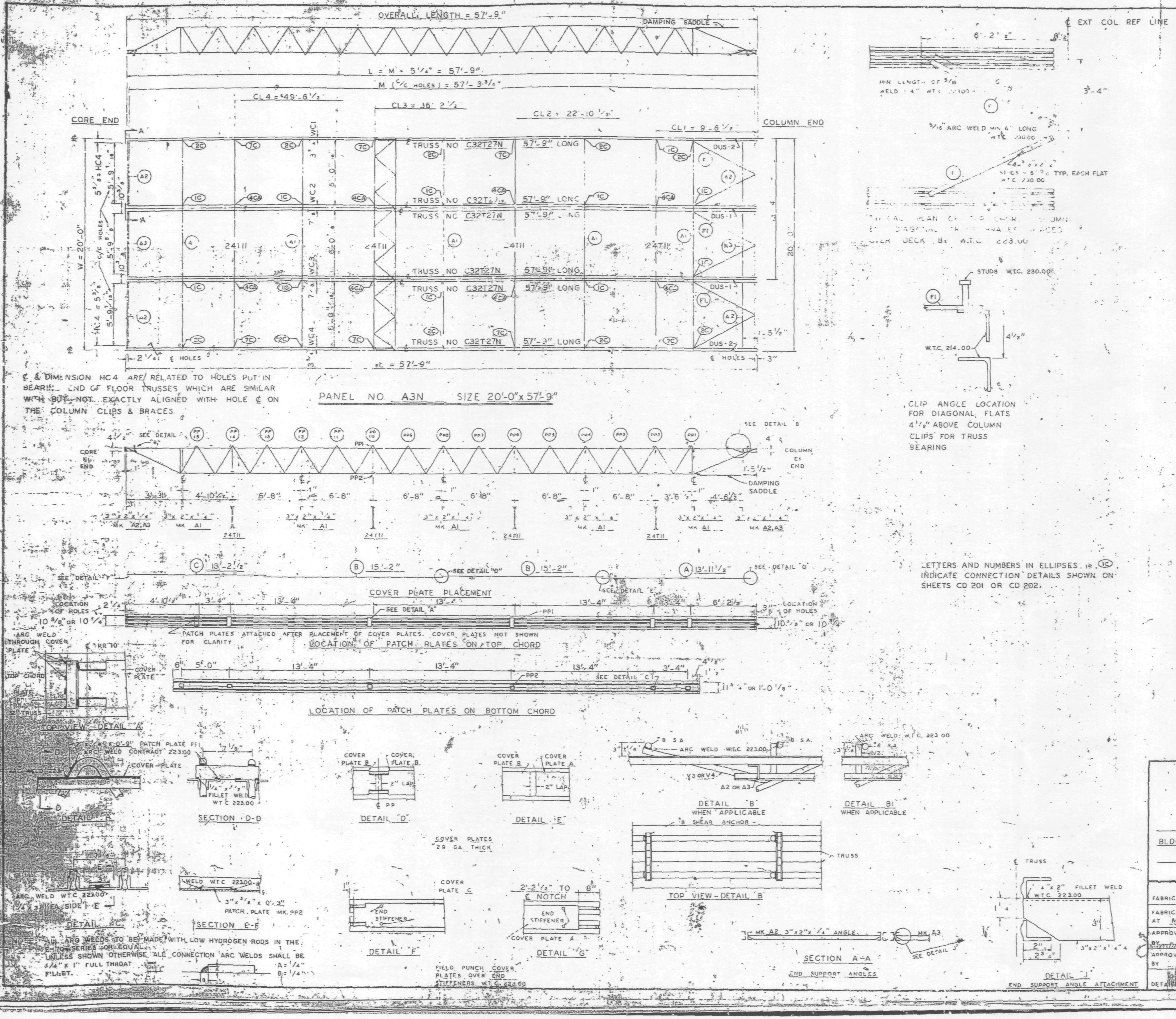
BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL A2C - 20' x 59'-8"

BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. — PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE
CHECKED BY T.N. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP A2C


OVERALL LENGTH = 59'-8"
DAMPING SADDLE
CORE END
PANEL NO. A3C SIZE 20'-0" x 59'-8"
TRUSS NO C32T27C 59'-8" LONG
L = 59'-8"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "C"
SECTION E-E
DETAIL "F"
DETAIL "G"
DETAIL "9" WHEN APPLICABLE
DETAIL "8" WHEN APPLICABLE
TOP VIEW - DETAIL 8
SECTION A-A
END SUPPORT ANGLES
COVER PLATES 29 GA THICK
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
PATCH PLATES
COVER PLATES
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
SA 24 1-6-69
AB3 42 1-6-69
AB1 24 1-6-69
AB2 6 7-22-68
NEW YORK AUTHORITY
78 (SOUTH)
PANEL A3C x 59'-8"
BLDG B FLOORS 78 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO AB3-42
PLATE
APPROVED FOR FABRICATION
DATE 7/31/69
DRAWN BY
DATE APRIL 28, 1969
CHECKED BY T.M.CHURA
DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP A3C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T27N	6	C32T27N-57'-9"	ST227N
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	5	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-[illegible]"	ST 400
COVER PLATES	A	4	9"x 0.0135" x 13'-11 1/2"	ST 303
	B	8	9"x.0135"x 15'-2"	ST 303
	C	4	9"x.0135"x 13'-2 1/2"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1"ø x [illegible]'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 3 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-42	1-6-69
7-AB1-24	1-6-69
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 44 (EAST)

PANEL A3N - 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-42 PLATE

APPROVED FOR FABRICATION BY [signature] FOR PONYA. DATE 7/31/69

DRAWN BY [initials] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE APRIL 28, 1969

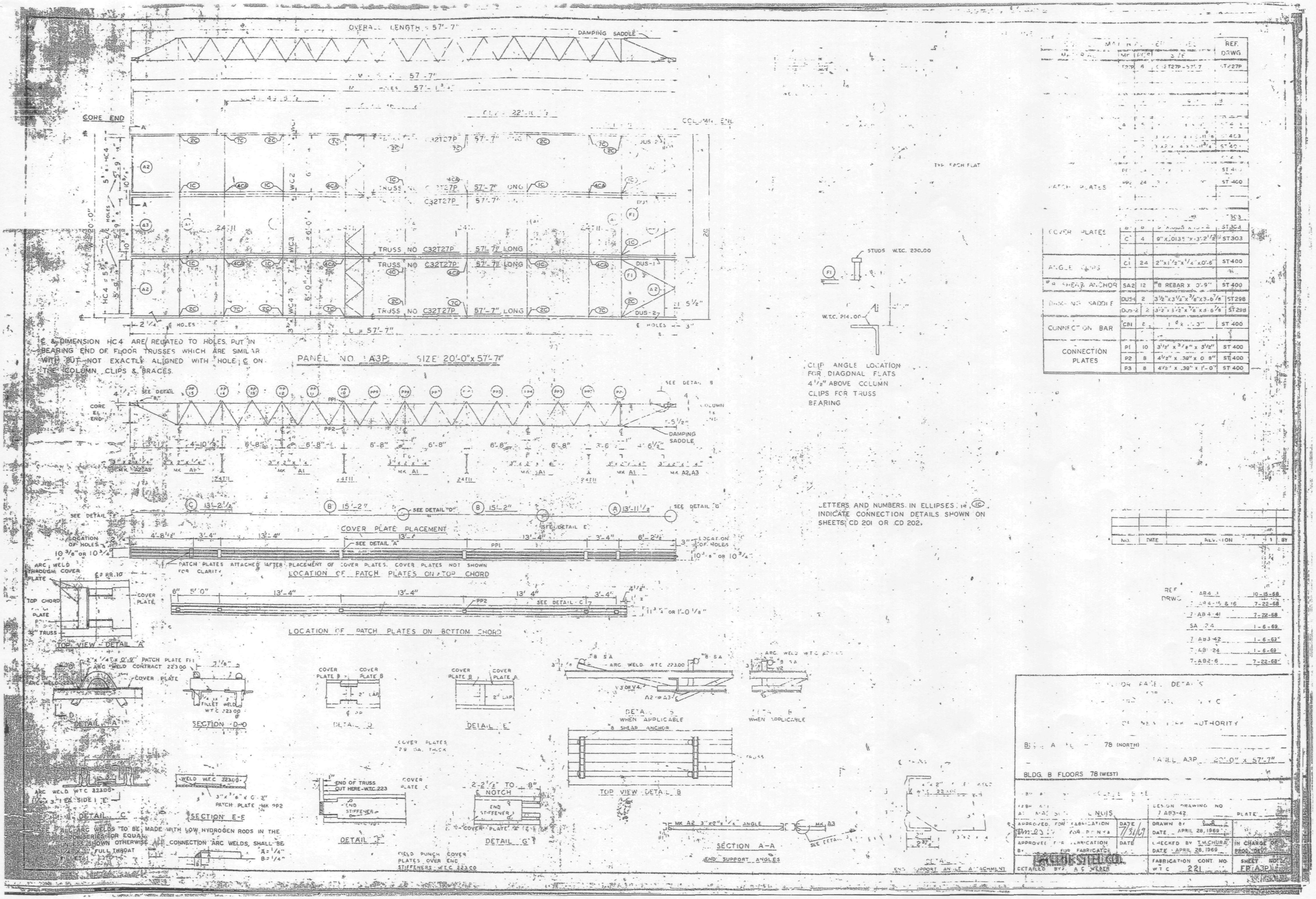
IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.

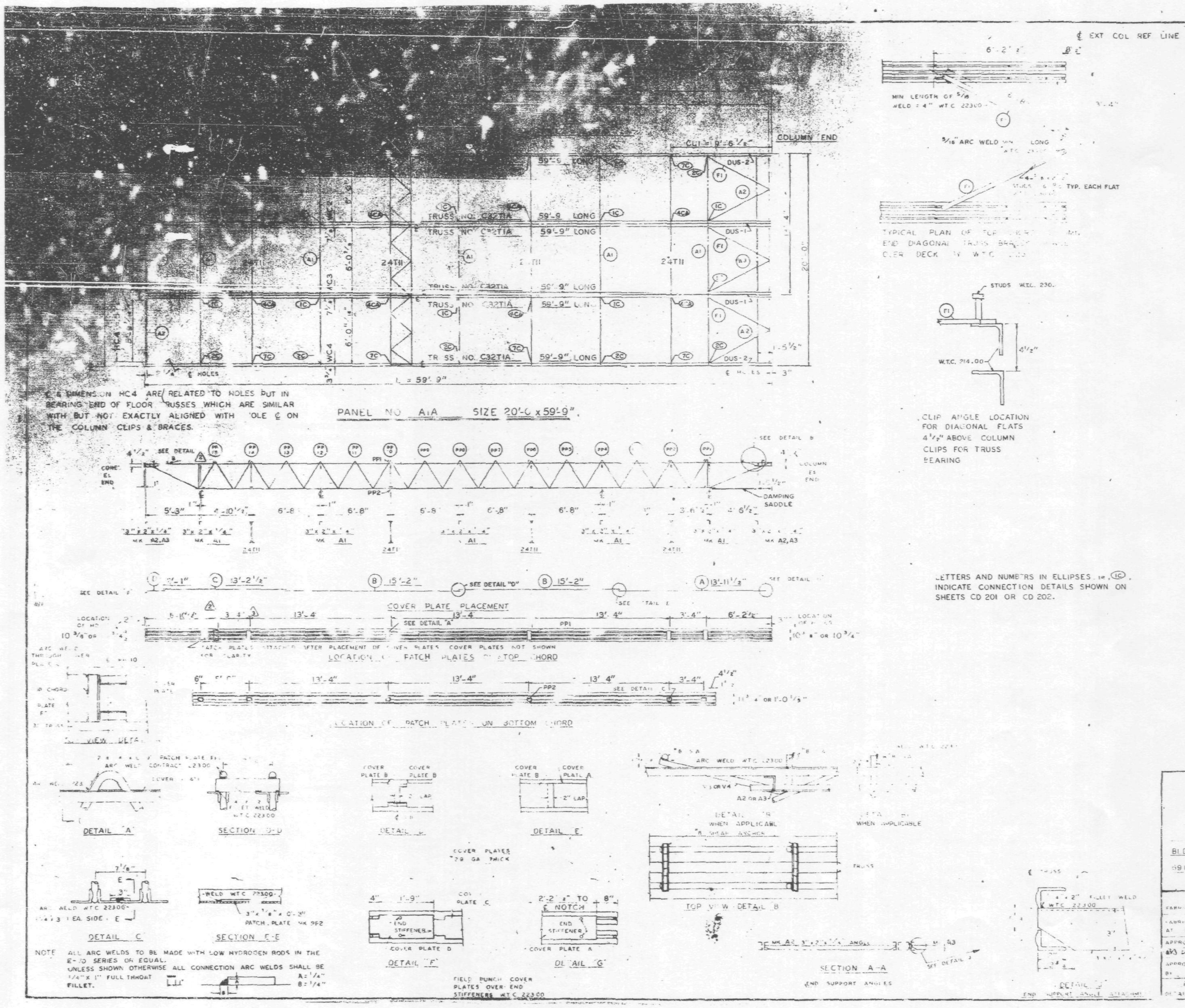
DETAILED BY A.C. WEBER

FABRICATION CONT. NO W.T.C. 221

SHEET NO FP A3N



OVERALL LENGTH = 57'-7"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO C32T27P 57'-7" LONG
C32T27P 57'-7"
DUS-2
DUS-1
DUS-2
PANEL NO. A3P SIZE 20'-0" x 57'-7"
℄ & DIMENSION HC4 ARE RELATED TO HOLES. PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN, CLIPS & BRACES.
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "A"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SEE DETAIL C
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "C"
SECTION E-E
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLES
TOP VIEW DETAIL B
DETAIL "B" WHEN APPLICABLE
END SUPPORT ANGLE ATTACHMENT
ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FULL THROAT
FIELD PUNCH COVER PLATES OVER END STIFFENERS - W.T.C. 223.00
COVER PLATES 7/8 GA. THICK
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
NO. DATE REVISION BY
REF. DRWG.
FLOOR PANEL DETAILS
PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 78 (WEST)
PANEL A3P 20'-0" x 57'-7"
DESIGN DRAWING NO 7 AB3-42
DRAWN BY
DATE APRIL 28, 1969
CHECKED BY T. MCHURA
DATE APRIL 28, 1969
APPROVED FOR FABRICATION
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP A3P
DETAILED BY A. S. WEBER



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-[illegible]"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	[illegible] x [illegible]-3"	ST 400
CONNECTION PLATES	P1	16	3 1/2"x3/8"x8 1/2"	ST 400
	P2	8	4 1/2"x.39"x0'-9"	ST 400
	P3	8	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
3	3-11-69	AS NOTED	G.D.C.
2	2-17-69	AS NOTED	G.E.
1	7-12-68	GENERAL	T.M.C.

REF. DWG.	DATE
7-AB4-3,33 & 39	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-41	1-3-68
SA-[illegible]	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

FLOOR PANEL DETAILS

WORLD TRADE CENTER - N.Y.C.

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68, 69 (NORTH)

PANEL A1A - 20'-0" x 59'-9"

FABRICATED BY LACLEDE [illegible] COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-3 4-[illegible]-68 PLATE

APPROVED FOR FABRICATION [illegible] FOR PONYA — DATE 3/24/69

DRAWN BY [illegible] DATE FEB 24, 1968

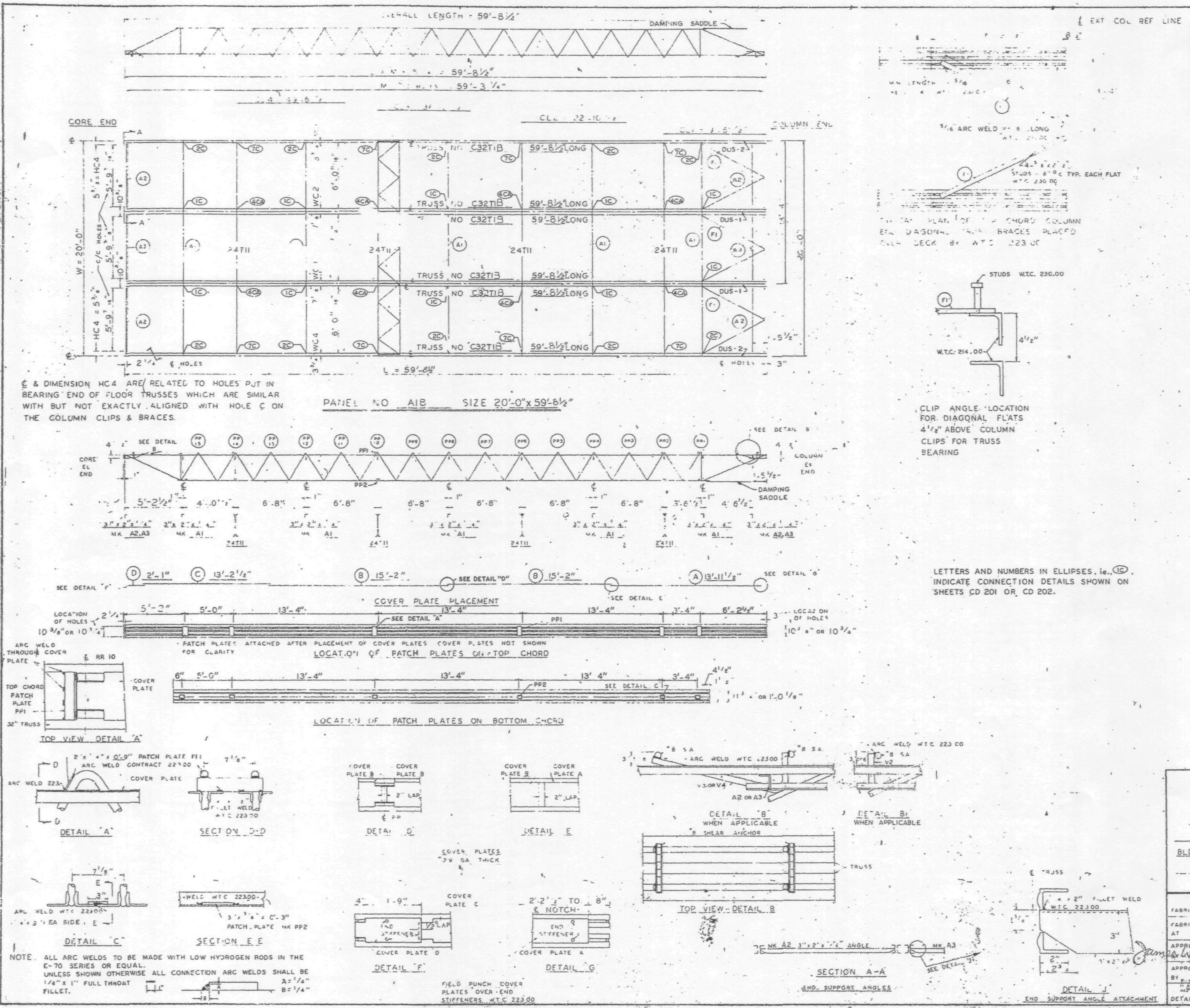
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

CHECKED BY J.A. PAUL DATE FEB 24, 1968 — IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP A1A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1B	6	C32T16 - 59'-8½"	ST201B
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	B12.1
3 x 2 x ¼ ANGLE	A1	5	3"x2"x¼"x19'-11"	ST 403
	A2	4	3"x2"x¼"x5'-11 9/16"	ST403
	A3	2	3"x2"x¼"x5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x⅝"x5'-8"	ST 402
PATCH PLATES	PP1	24	2"x¼"x0'-9"	ST 400
	PP2	24	3"x⅜"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11½"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2½"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1½"x¼"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x3'-6⅞"	ST298
	DUS-2	2	3½"x3½"x⅜"x3'-6⅞"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3½"x⅜"x6½"	ST 400
	P2	8	4½"x.39"x0'-9"	ST 400
	P3	8	4½"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	10-21-68	AS NOTED	G.D.C.

REF DRWG

7-AB4-3,3,1 & 39	1-3-68
AB4-15 & 16	3-6-68
7 AB4 41	1-3-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1 2	2-15-68
7-AB2-6	2-15-68

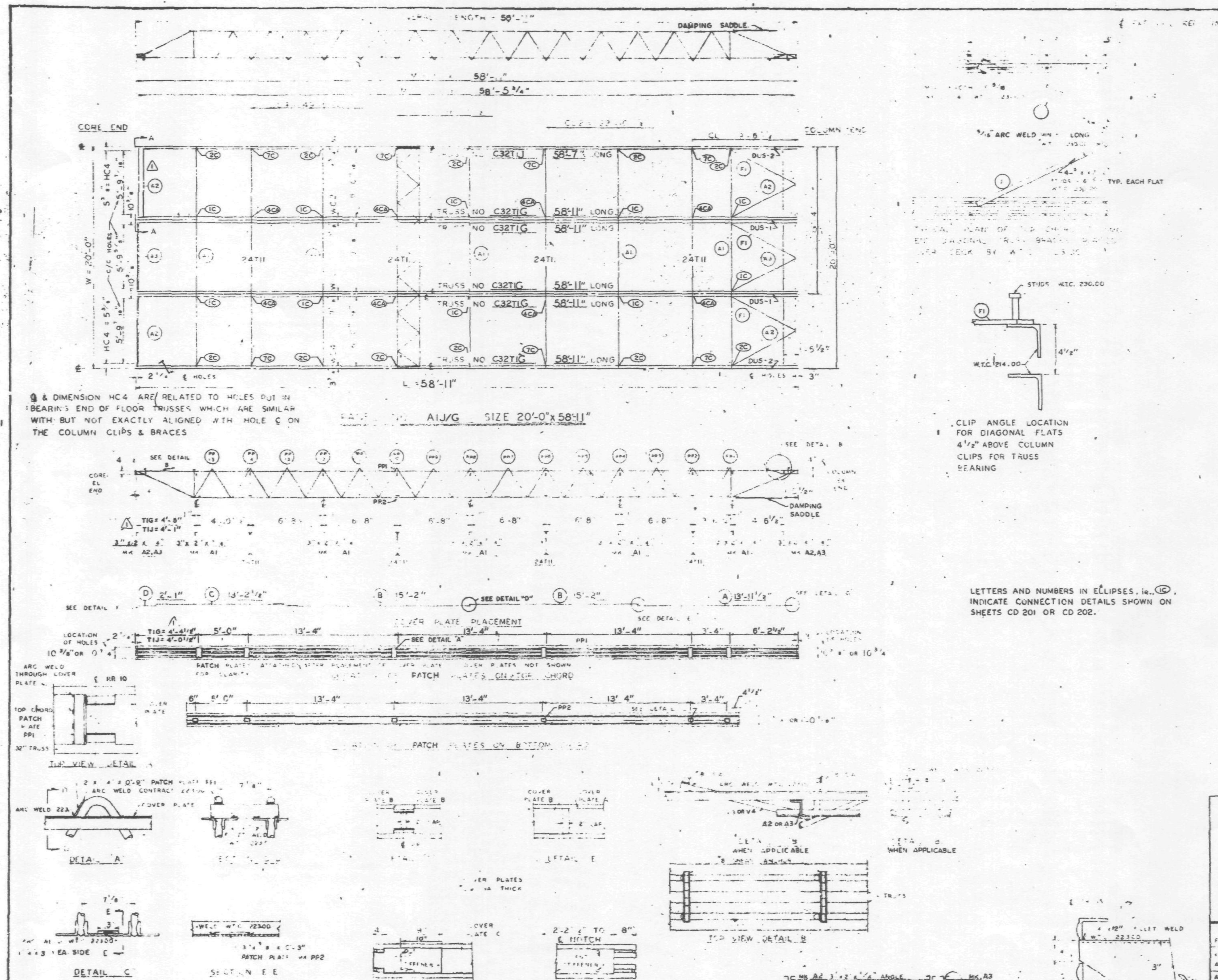
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 83-91, 93-106 (NORTH) ⚠1

PANEL A1B 20'-0" x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION James White FOR PONYA	DATE 10/24/68	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A C WEBER		FABRICATION CONT. NO W.T.C 221	SHEET NO FP A1B



LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4", B = 1/4"

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	REQ	SIZE	
FLOOR TRUSSES	TIG	1	C32TIG - 58'-11"	ST201G
	TIJ	1	C32TIJ - 58'-7"	ST201J
BRIDGING TRUSSES	TII	4	24TII - 9'-11"	B-2
3 x 2 x 1/4 ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

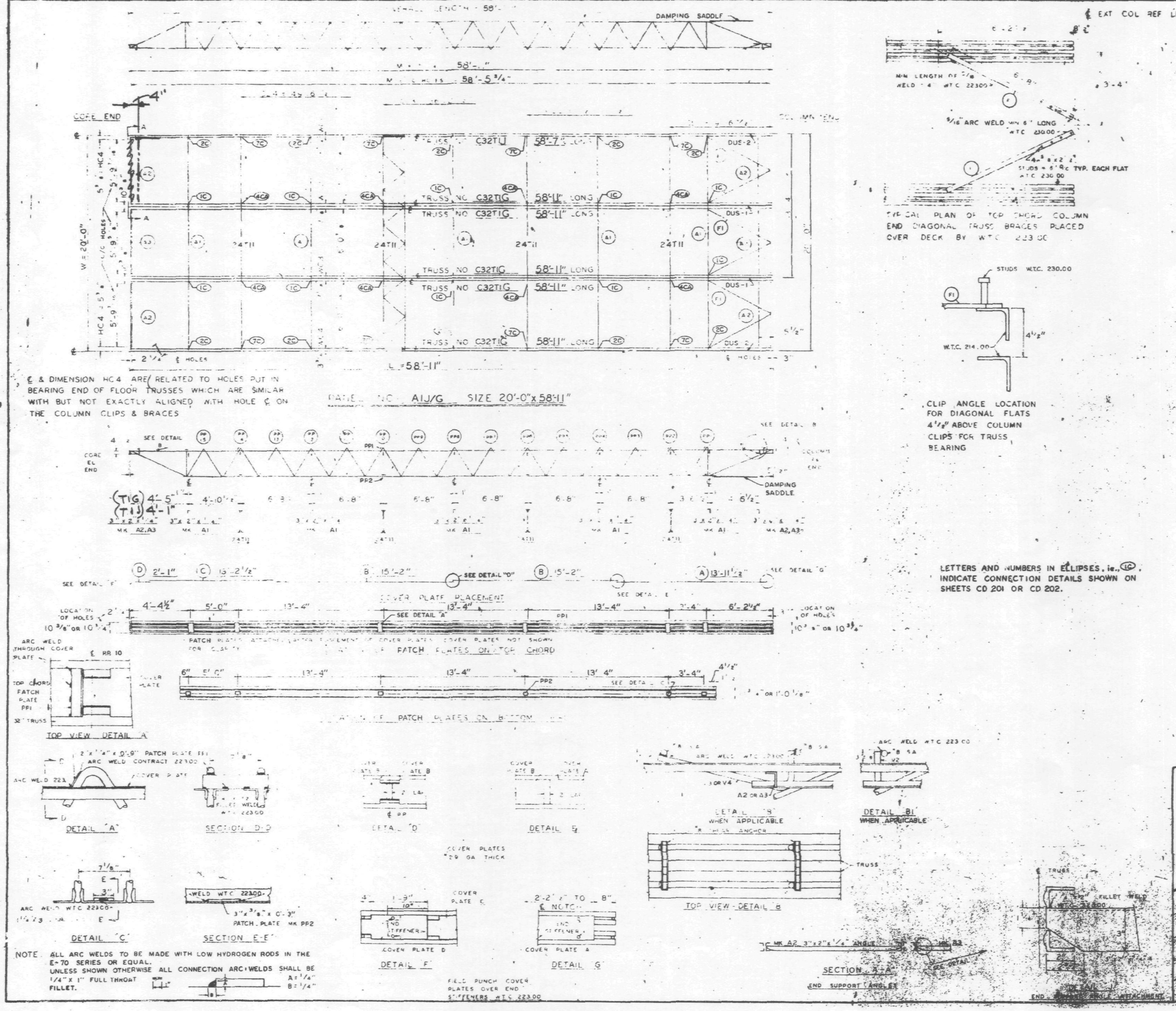
⚠	10-21-68	AS NOTED	G.D.C.
NO.	DATE	REVISION	BY

7-AB3-3 & 39	1-1-68
A	5-6-64
AB4-41	1-3-68
SA	20-67
AB3-2	1-3-68
AB1-2	2-15-68
7-AB2-5	2-15-68

BLDG A FLOORS 40 (N)

PANEL AIJ/G 20'-0" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4 68 PLATE	
APPROVED FOR FABRICATION FOR PONYA	DATE 10/24/68	DRAWN BY	
		DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO WTC 221	SHEET NO FP AIJ/G



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIG	5	C32TIG – 58'-11"	ST201G
	TIJ	1	C32TIJ - 58'-7"	ST201J
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 3/16	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2"x 1/4" x 0'-9"	ST 400
	PP2	24	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x 1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .30" x 0'-9"	ST 400
	P3	8	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

SKILLING · HELLE CHRISTIANSEN · ROBERTSON
Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
NOT REVIEWED
10/18/68 SK

REF DRWG	
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

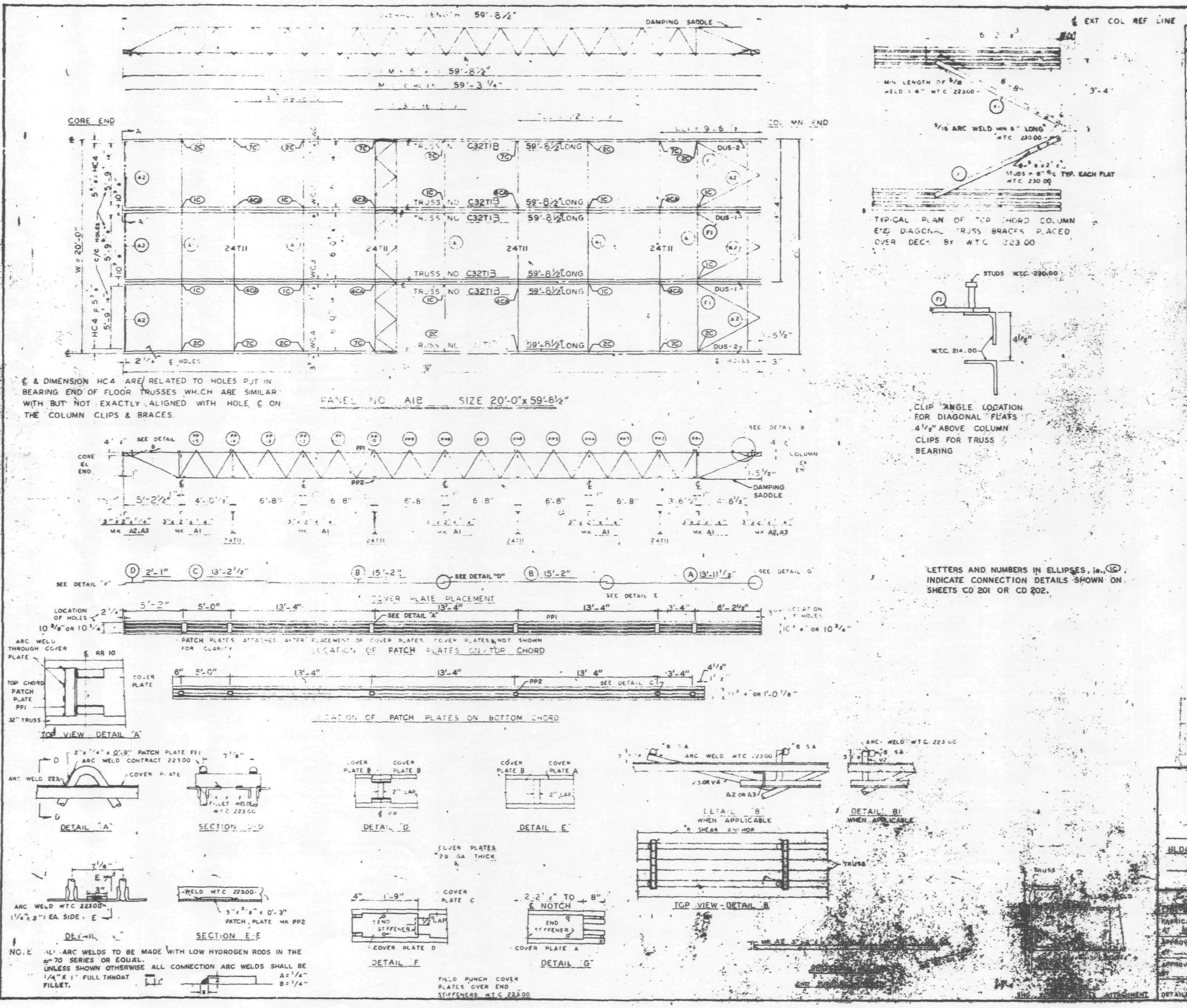
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40 (N)

PANEL AIJ/G - 20'-0" x 58'-11"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE	DRAWN BY ___ DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP AIJ/G



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4" B = 1/4"

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1B	6	C32T1B - 59'-8½"	ST201B
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3"x2"x¼" ANGLE	A1	8	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 8'-11 3/16"	ST 403
	A3	2	3"x2"x¼"x 8'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x ⅜"x 6'-6"	ST 402
PATCH PLATES	PP1	24	2"x ¼"x 0'-9"	ST 400
	PP2	24	3"x ⅜"x 0'-3"	ST 400
COVER PLATES	A	4	9"x .0135"x 13'-11½"	ST 303
	B	8	9"x .0135"x 15'-2"	ST 303
	C	4	9"x .0135"x 13'-2½"	ST 303
	D	4	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1½"x ¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
	DUS-2	2	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	8	1"ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3½"x ⅜"x 8½"	ST 400
	P2	8	4½"x .38"x 0'-9"	ST 400
	P3	8	4½"x .38"x 1'-0"	ST 400

RECEIVED

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	8-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

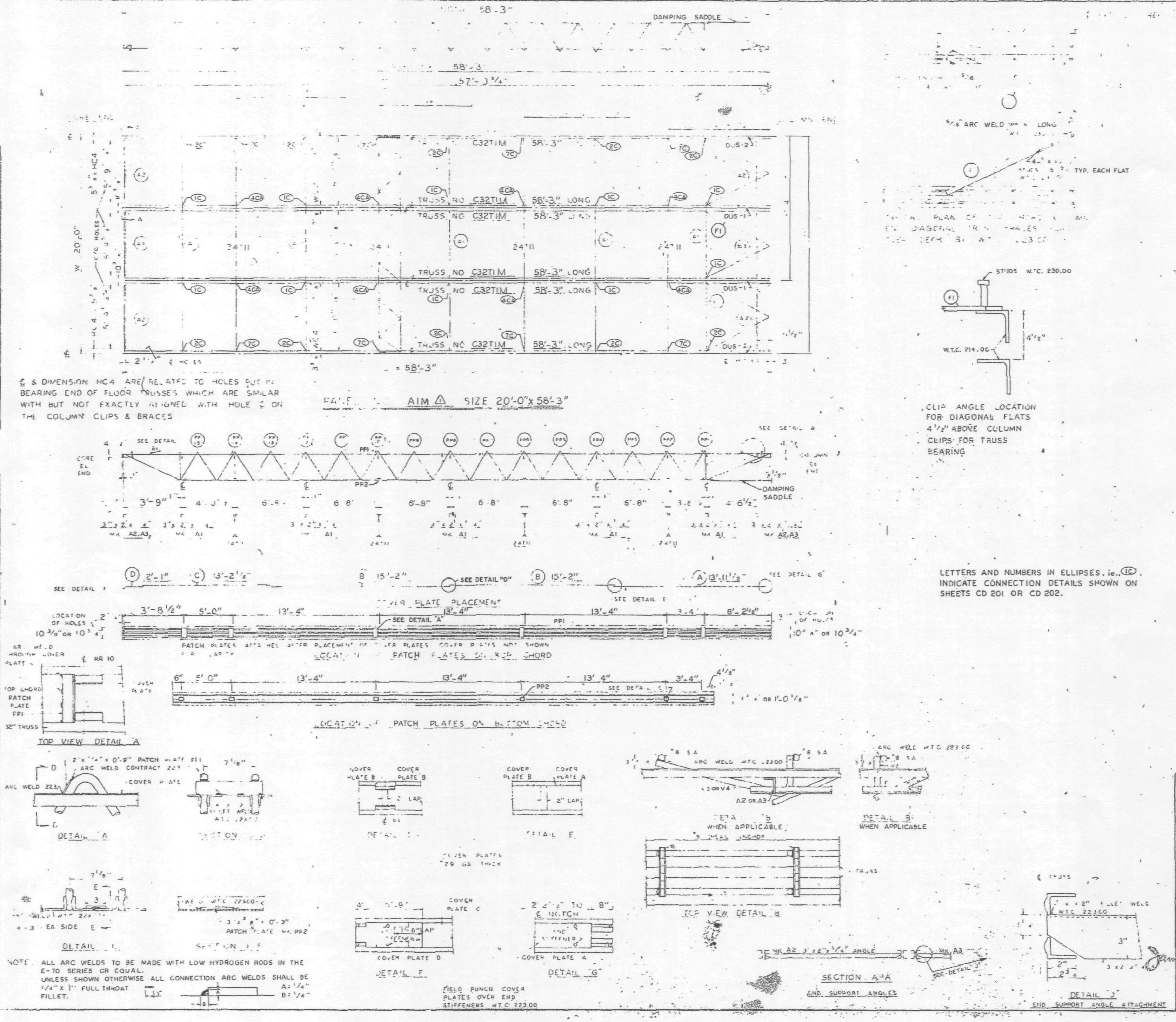
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
Structural & Civil Engineers
APPROVED
☒ APPROVED AS NOTED
RESUBMIT
REJECTED
Date 10/18/68 SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS ~~81-82 (N)~~ 83-91, 93-106 North

PANEL A1B - 20'-0" x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-2 4-1-68
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY DATE FEB 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T. CHURA DATE OCT. 11, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP A1B



LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4" B = 1/4"

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PC	SIZE	
[illegible]	T1M	6	C32T1M - 58'-3"	ST201M
[illegible]	T	4	24T[illegible] - 9-[illegible]	[illegible]
[illegible]	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST 400
	P2	8	4 1/2"x.39"x0'-9"	ST 400
	P3	8	4 1/2"x.39"x1'-0"	ST 400

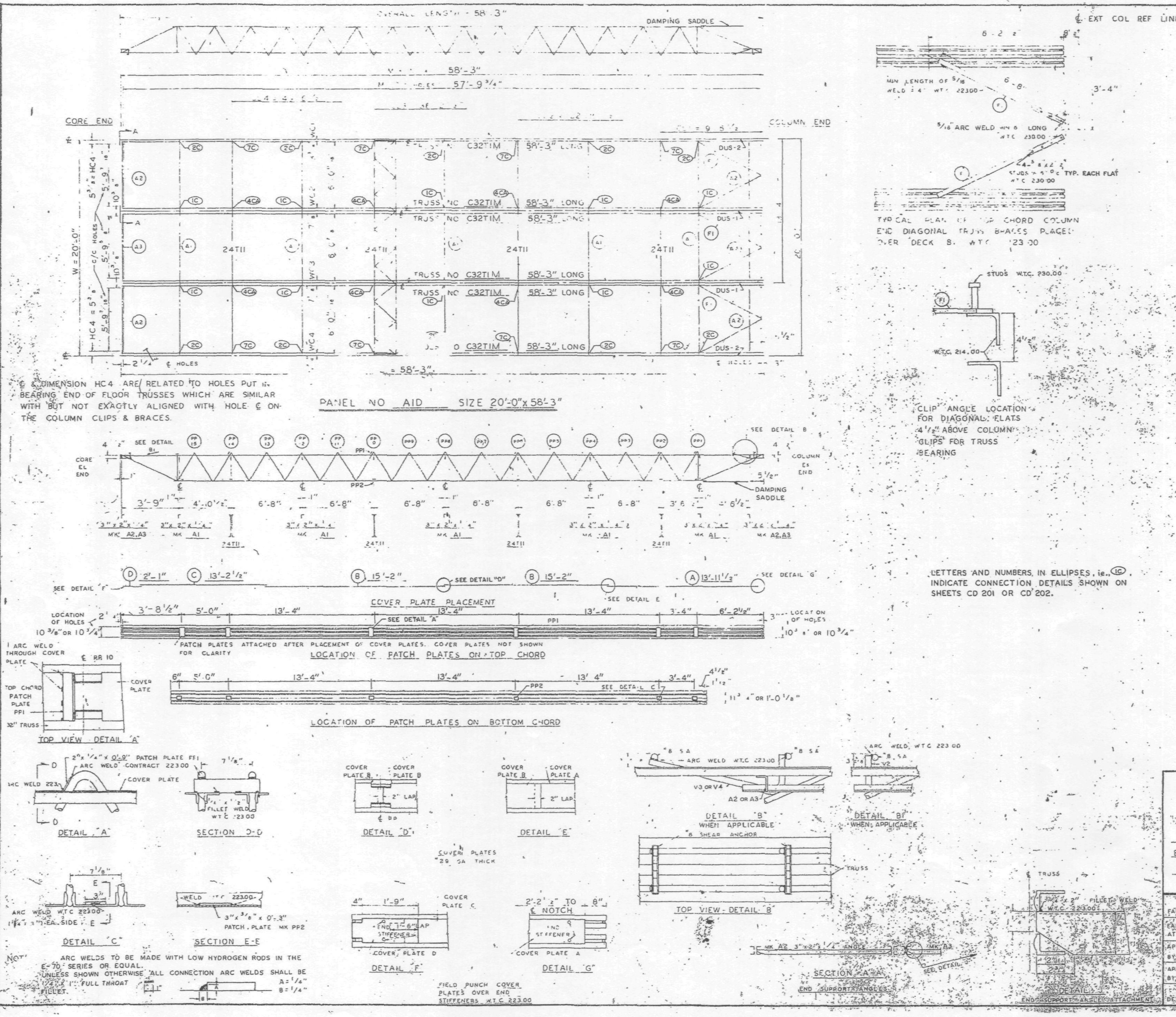
NO.	DATE	REVISION	BY
1	10-21-68	AS NOTED	G.O.C.

REF. DRWG.
- AB4-3,3,1 & 39 — 1-3-68
- AB4-5 & 16 — 3-6-68
- AB4-41 — 1-3-68
- SA-24 — 11-20-67
- 7 AB3-2 — 1-3-68
- 7 AB1-2 — 2-15-68
- 7 AB2-6 — 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 72-73 (N)
PANEL AIM 20'-0" x 58'-3" (1)

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION BY [signature] FOR PONYA	DATE 10/24/68	DRAWN BY [initials] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO WTC 221	SHEET NO FP AIM



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	TII	4	24TII - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	24	2"x 1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x 13'-11 1/2"	ST303
	B	8	9"x.0135"x 15'-2"	ST303
	C	4	9"x.0135"x 13'-2 1/2"	ST303
	D	4	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x 1/4"x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x 3/8"x 6 1/2"	ST 400
	P2	8	4 1/2"x .30"x 0'-9"	ST 400
	P3	8	4 1/2"x .39"x 1'-0"	ST 400

RECEIVED

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

SKILLING · HELLE · CHRISTIANSEN · ROBERTSON, Structural & Civil Engineers
APPROVED
X REVISED AS NOTED
RESUBMIT
REJECTED
10/18/68 BY SK

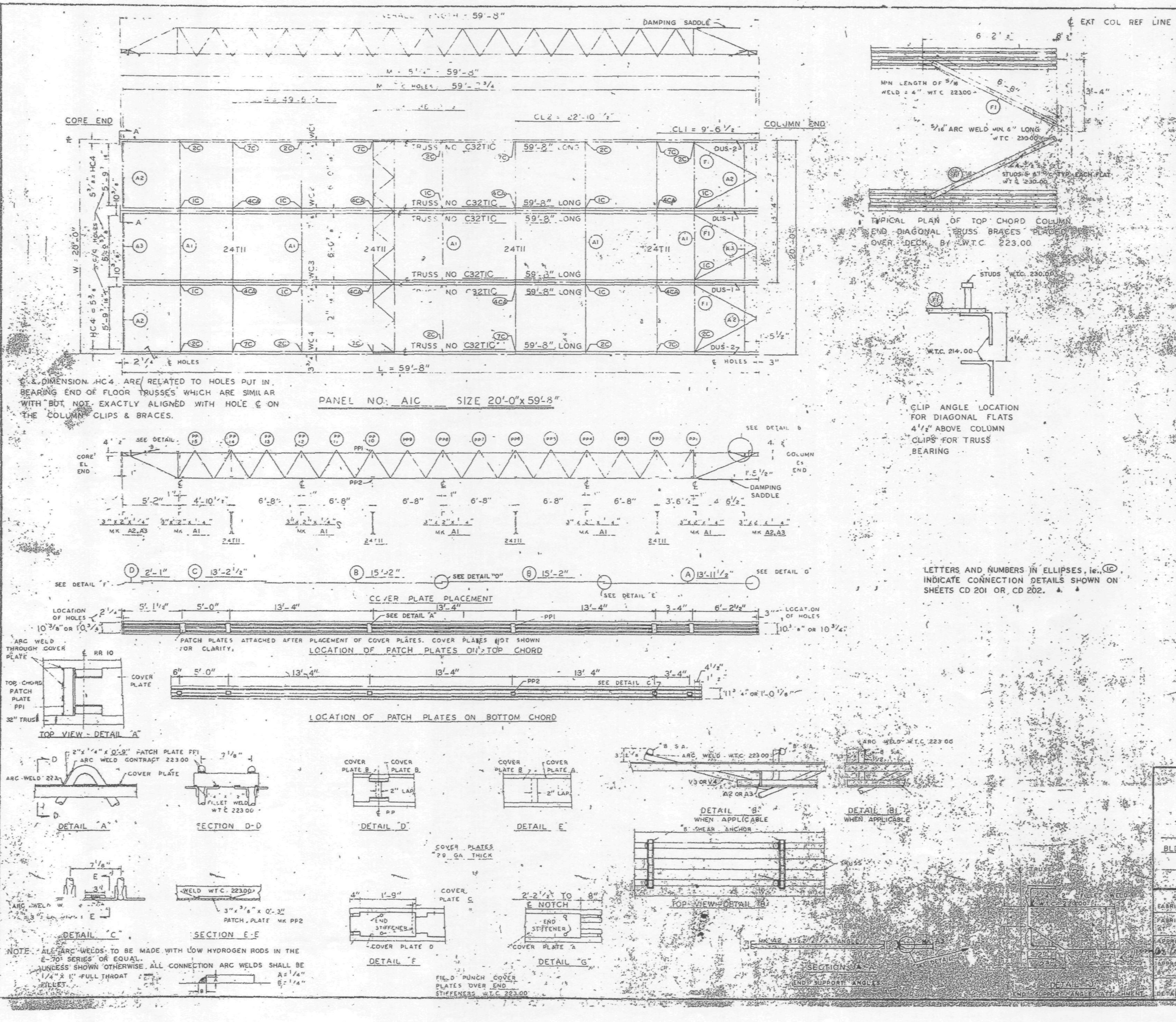
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)

PANEL A1M - 20'-0" x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A. C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP A1M



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1C	6	C32T1A - 59'-8"	ST201
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST21
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/16"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

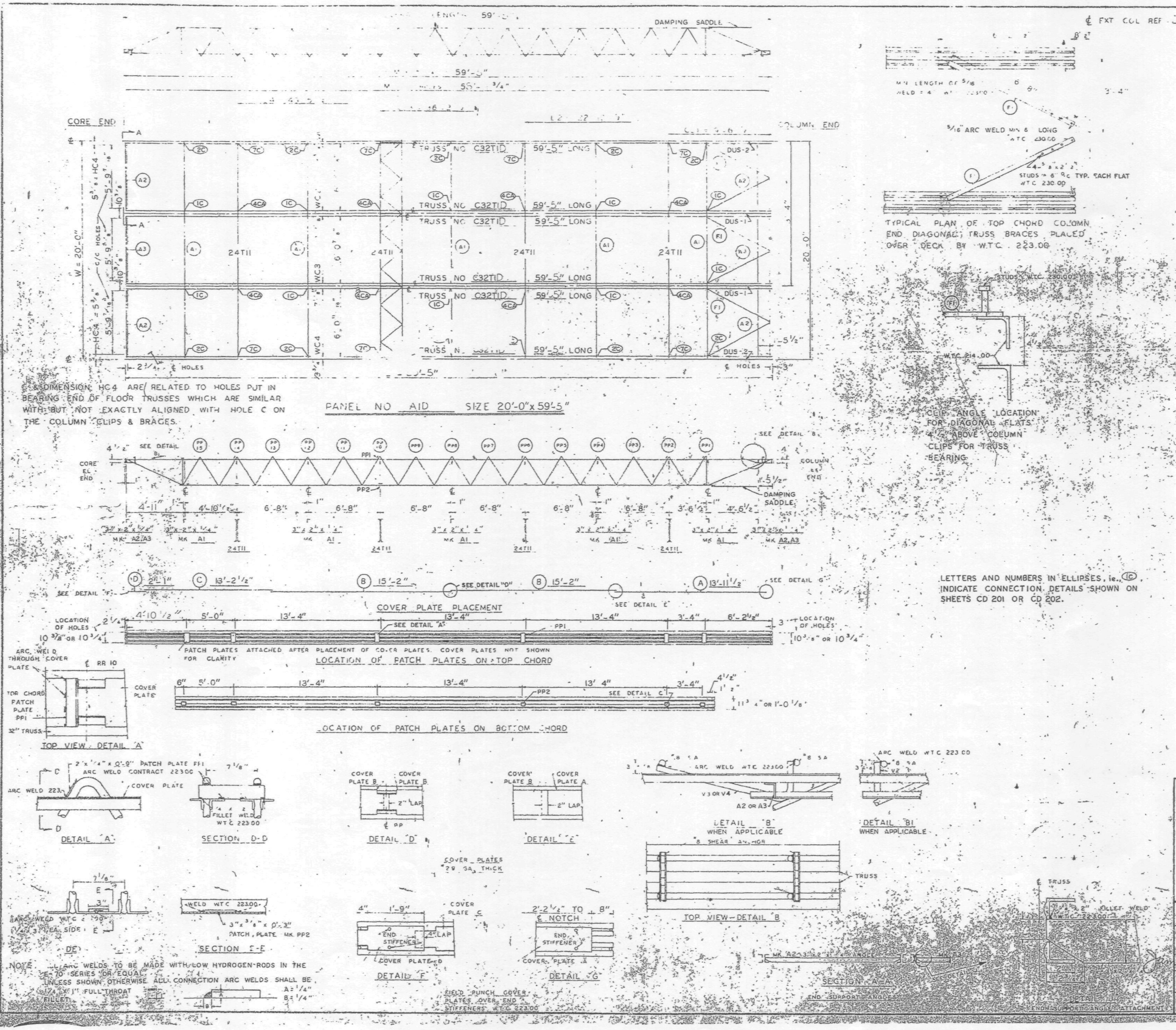
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS [illegible]

PANEL A1C - 20'-0" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3 4-1-68	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 10/18/68	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT 11, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP A1C



LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	6	C32T1D - 59'-5"	ST201D
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	3-6-68
7-AB4-41	1-3-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

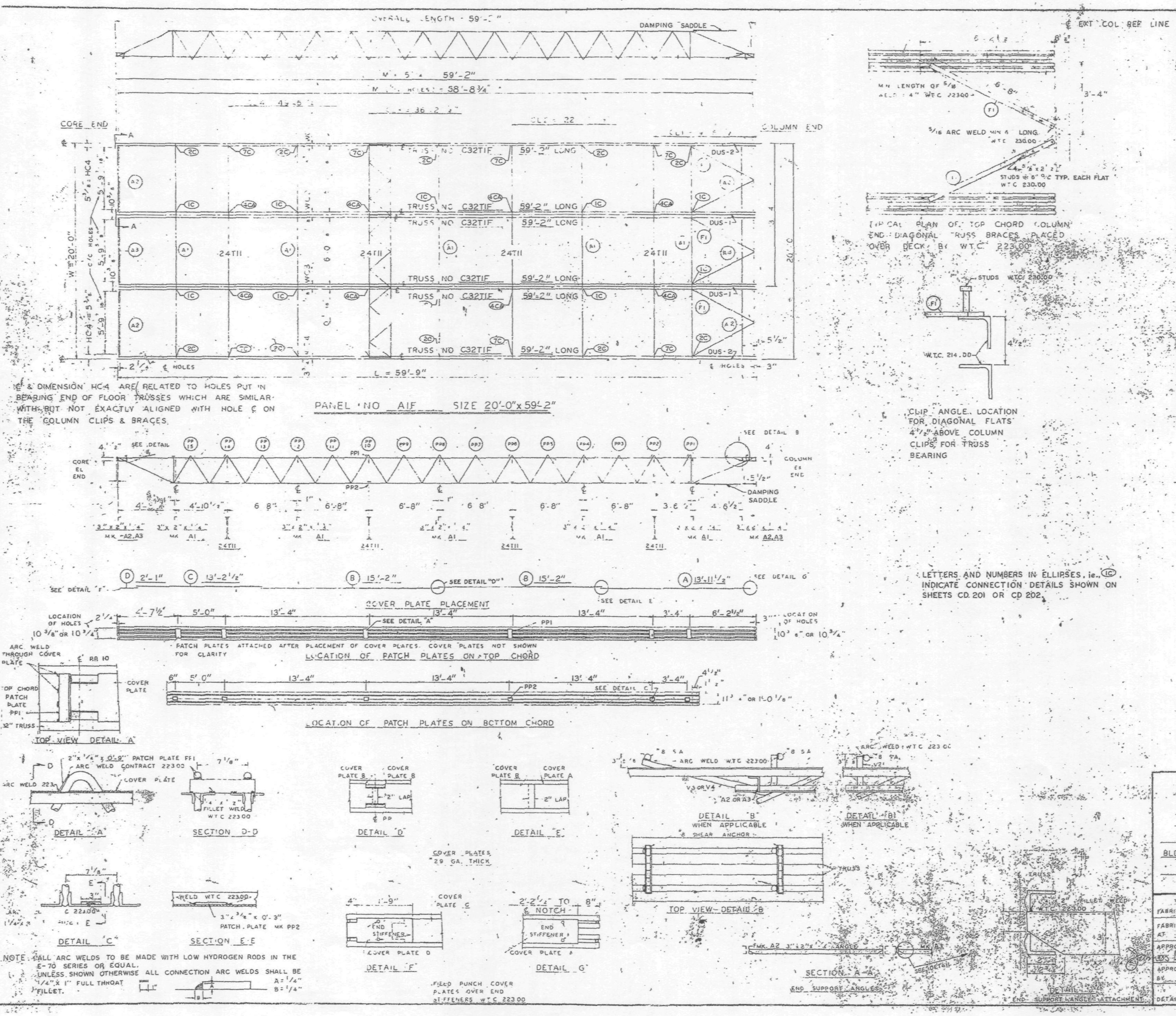
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81 82 (N)

PANEL AID - 20'-0" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3 2-24-68 PLATE	
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 10/18/68	DRAWN BY [illegible] DATE FEB. 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP AID



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	6	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16	ST403
	A3	2	9"x2"x1/4"x5'-11 3/4	ST401
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST400
	PP2	24	3"x3/8"x0'-3"	ST400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST400
	P2	8	4 1/2"x.39"x0'-9"	ST400
	P3	8	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY.

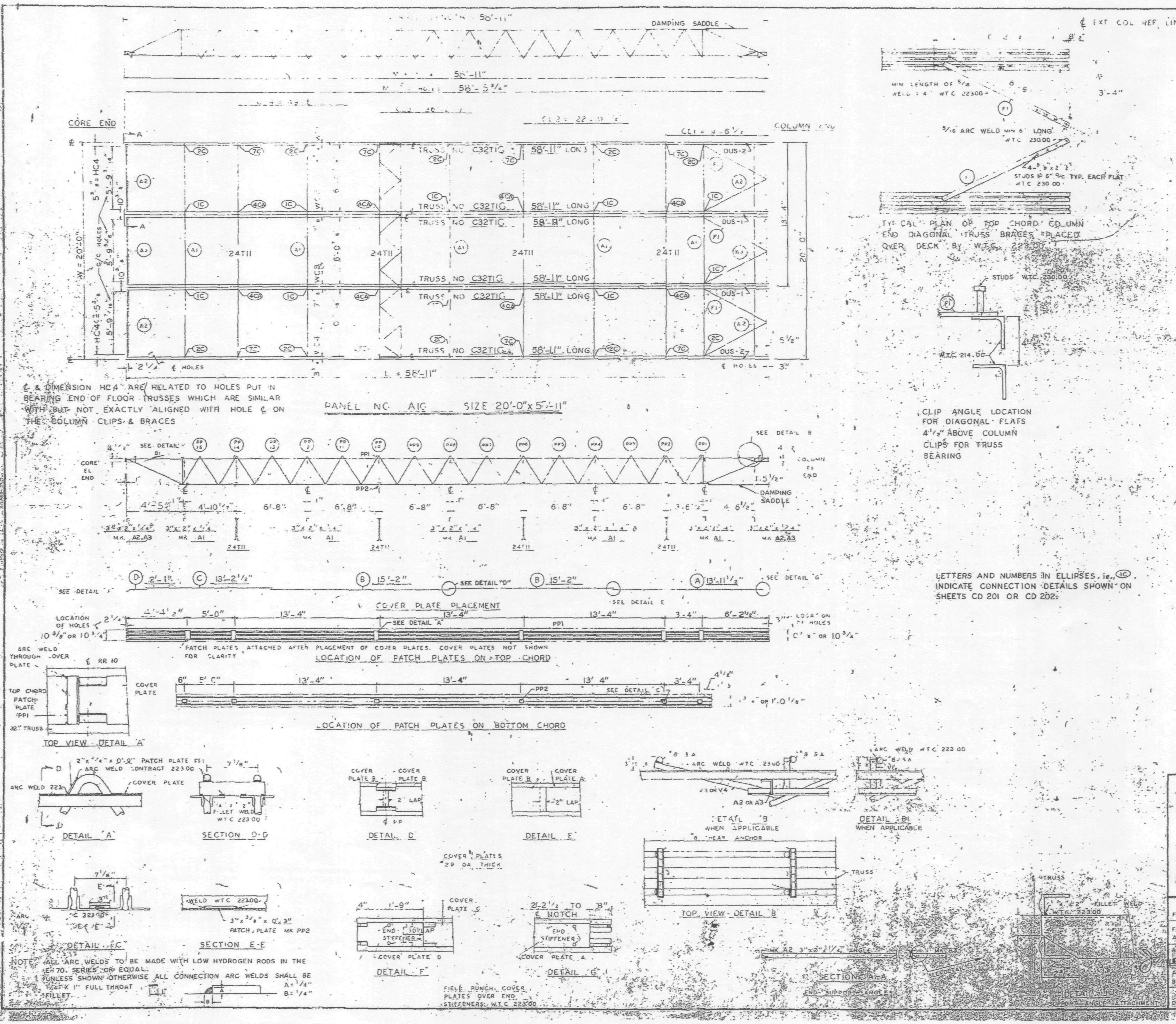
BLDG. A FLOORS 47-48(N&S), 70-71(N)

PANEL A1F - 20'-0" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 10/18/68	DRAWN BY [signature] DATE FEB 24 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT 11 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP A1F

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIG	6	C32T16 - 58'-11"	ST2016
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	81211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST 400
	P2	8	4 1/2"x.39"x0'-9"	ST 400
	P3	8	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

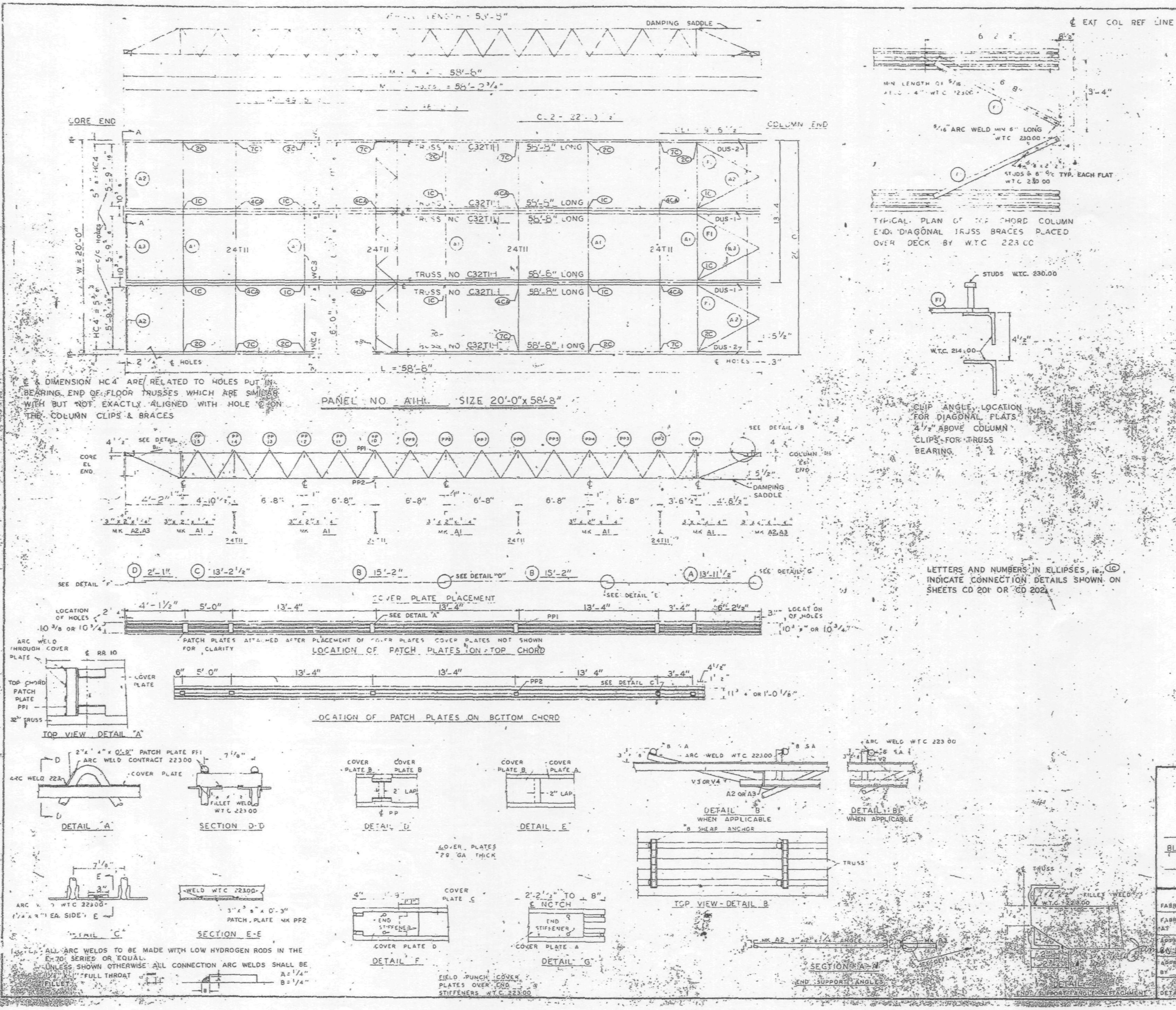
7-AB4-3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39(N)
69 (NORTH) PANEL A1C - 20'-0" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 10/18/68	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11 1968	IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.		FABRICATION CONT. NO W.T.C 221	SHEET NO FP A1C



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	6	C32T1H - 5[illegible]	ST201
BRIDGING TRUSSES	T11	4	24T11 - 19'-11[illegible]	[illegible]
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11[illegible]	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST403
DIAGONAL FLATS	F1	6	1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2"x3/8"x6 1/2"	ST 400
	P2	8	4 1/2"x.39"x0'-9"	ST 400
	P3	8	4 1/2"x.39"x1'-0"	ST 400

	DATE	REVISION	BY

REF DRWG

7-AB4-3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-5	2-15-68

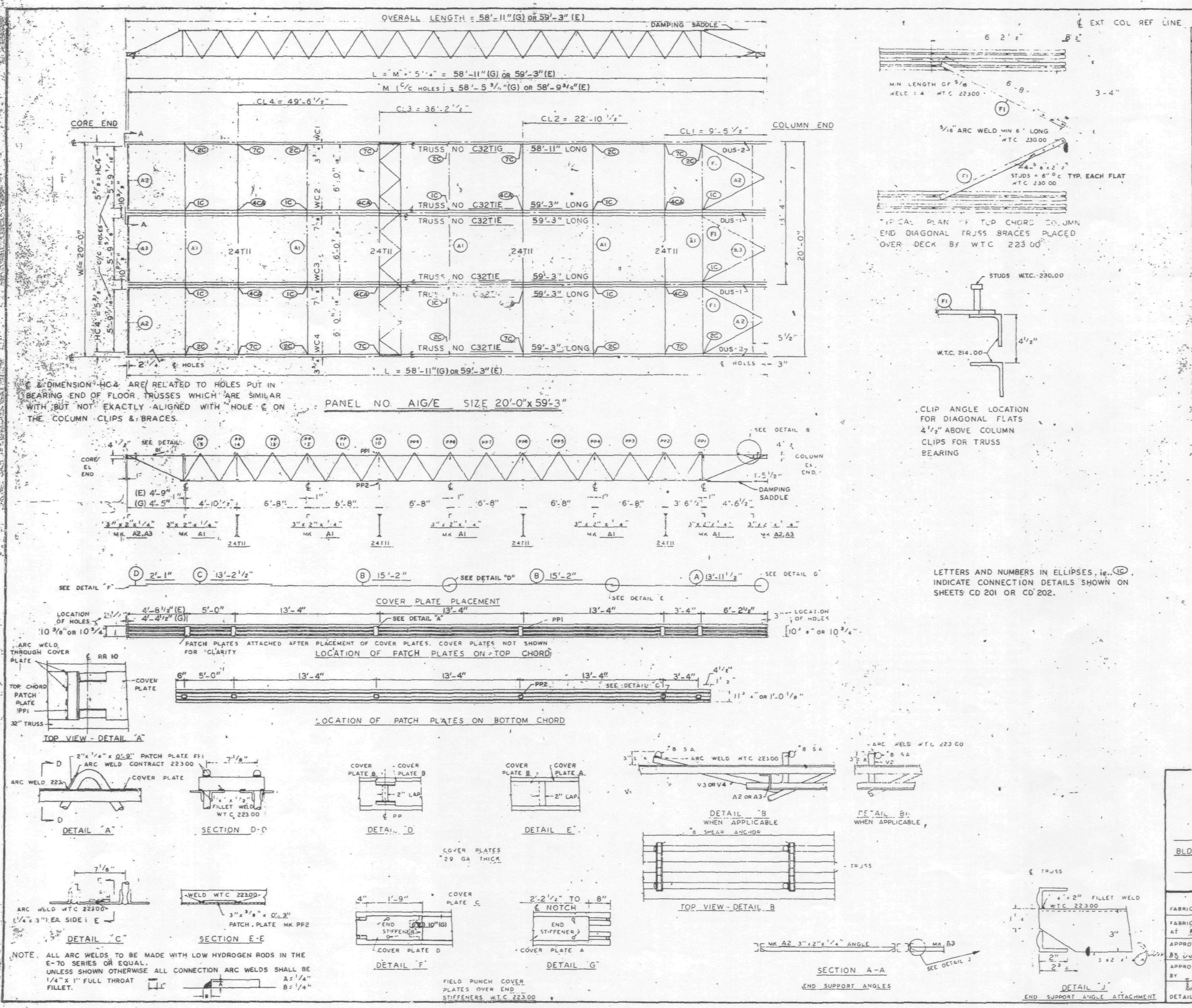
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (N)

PANEL A1H - 20'-0" x 58'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-3 4-1-68	PLATE
APPROVED FOR FABRICATION [signature] FOR P.O.N.Y.A.	DATE 10/18/68	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. [illegible]
DETAILED BY A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET FP-A1H



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	5	C32TIE - 59'-3"	ST201E
	TIG	1	C32TIG - 58'-11"	ST201G
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-9"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
⚠	7-12-68	GENERAL	T.M.C.

REF DRWG	
7-AB4-3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

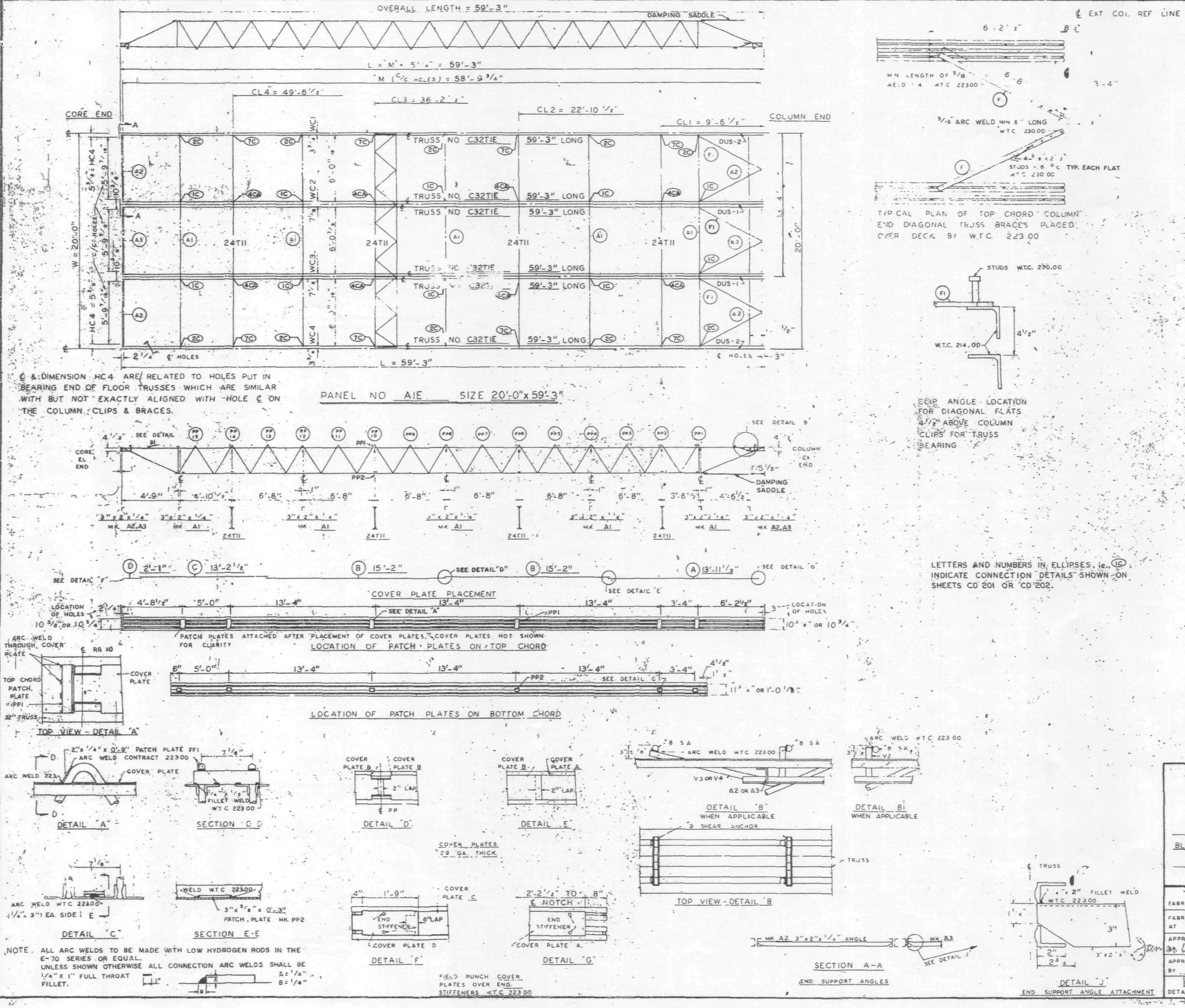
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH)

PANEL AIG/E- 20'-0" x 59'-3"

FABRICATION BY · LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-4 4-1-68 PLATE	
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 8/16/68	DRAWN BY [initials] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A C WEBER		FABRICATION CONT. NO. W T C 201	SHEET NO FP A1G/E



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .30" x 0'-9"	ST 400
	P3	8	4 1/2" x .30" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NO.	DATE	REVISION	BY
1	7-12-68	GENERAL	T.M.C.

REF DRWG

7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

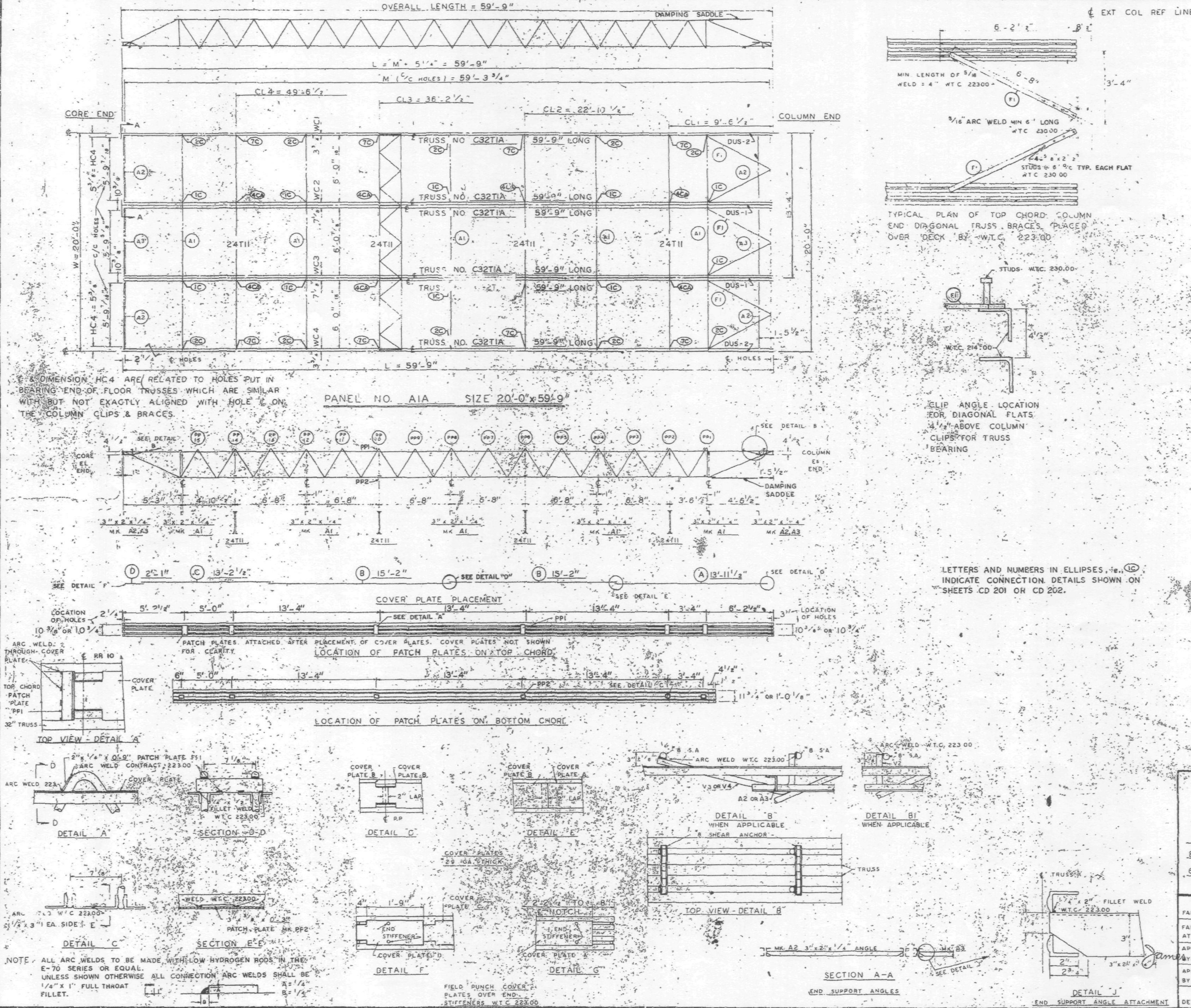
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL AIE - 20'-0" x 59'-3"

FABRICATION BY · LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4-1-68	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 8/16/68	DRAWN BY [initials] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP AIE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	4	24T11 - 19'-11"	BT211
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2" x 1/4" x 0'-9"	ST 400
	PP2	24	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9" x .0135" x 13'-11 1/2"	ST303
	B	8	9" x .0135" x 15'-2"	ST303
	C	4	9" x .0135" x 13'-2 1/2"	ST303
	D	4	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	16	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	6 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	7-12-68	GENERAL	T.M.C.

REF DRWG

7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68, 69 (NORTH)

PANEL A1A - 20'-0" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-3 4-1-68 PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 8/16/68

DRAWN BY [signature] DATE FEB 24, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

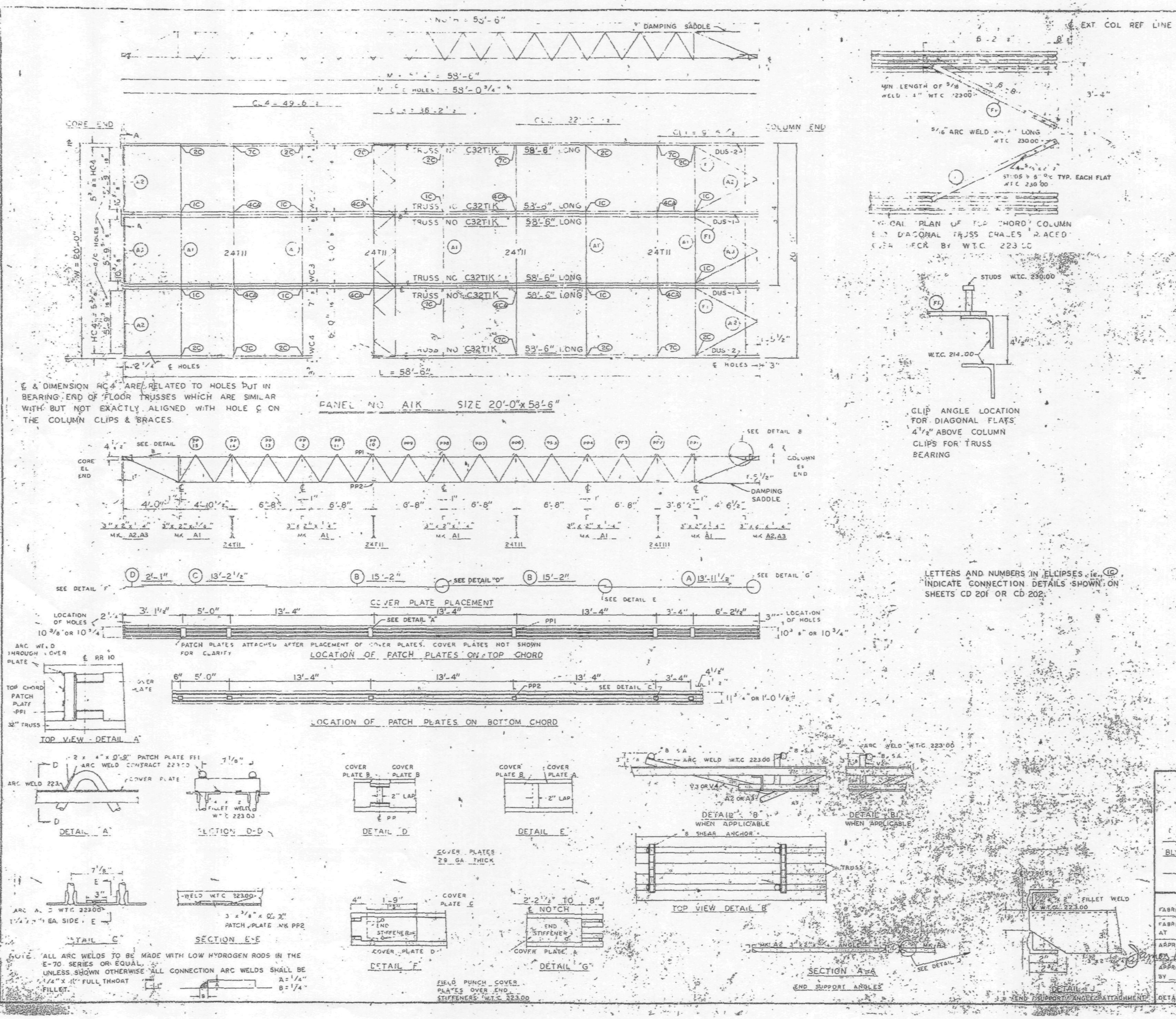
CHECKED BY J.R. PAUL DATE FEB 24, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER — LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP A1A



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	6	C32T1K - 58'-6"	ST201
BRIDGING TRUSSES	T11	4	24T11 19'-11"	ST211
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x3/8"x6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x0'-4"	ST 400
	PP2	24	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	4	9"x.0135"x13'-11 1/2"	ST303
	B	8	9"x.0135"x15'-2"	ST303
	C	4	9"x.0135"x13'-2 1/2"	ST303
	D	4	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DRWG.

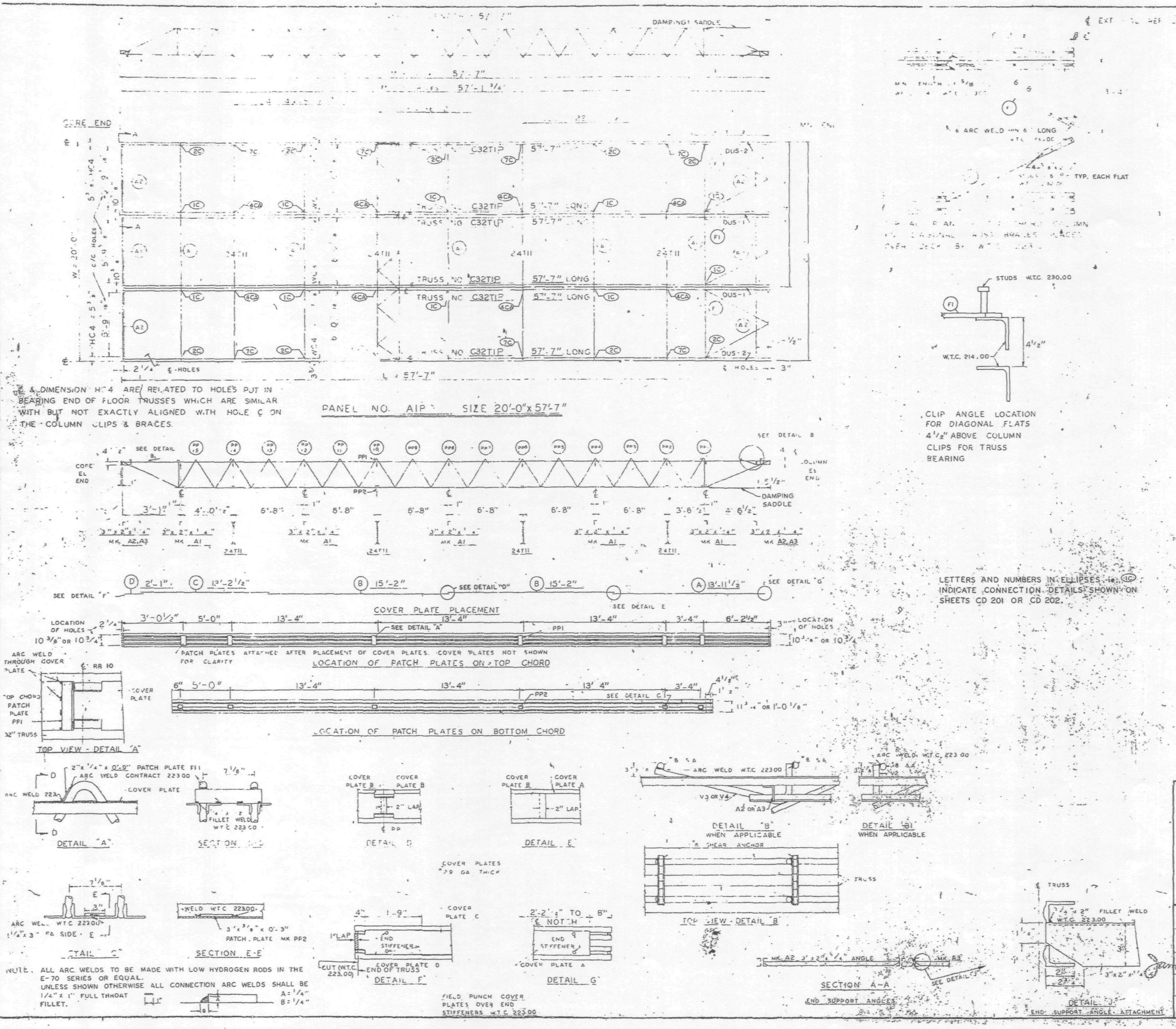
7-AB4-3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-ABL-2	2-15-68
7-AB2-6	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 4-1...

PANEL A1K - 20'-0" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-3 4-1-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 10/18/68
DRAWN BY ... DATE FEB 24, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T. CHURA DATE OCT 1, 1968
IN CHARGE OF PROD.
LACLEDE STEEL CO.
DETAILED BY A. C. WEBER
FABRICATION CONT NO. W T C 221
SHEET NO. FP A1K



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1P	6	C32T1P - 57'-7"	ST201P
BRIDGING TRUSSES	T11	4	24T11 - 19'-[illegible]	B 211
3 x 2 x 1/4 ANGLE	A1	5	3"x2"x1/4"x9'-11"	ST 4[illegible]
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	8	1 1/2"x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	24	2"x1/4"x 0'-9"	ST 400
	PP2	24	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	A	4	9"x 0135"x 13'-11 1/2"	ST303
	B	8	9"x 0135"x 15'-2"	ST303
	C	4	9"x .0135"x 13'-2 1/2"	ST303
	D	4	9"x 0135"x 2'-1"	ST303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	8	1"φ x 1'-3"	ST 400
CONNECTION PLATES	P1	10	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	8	4 1/2" x .39" x 0'-9"	ST 400
	P3	8	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	3-6-68
7-AB4-41	1-3-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6	2-15-68

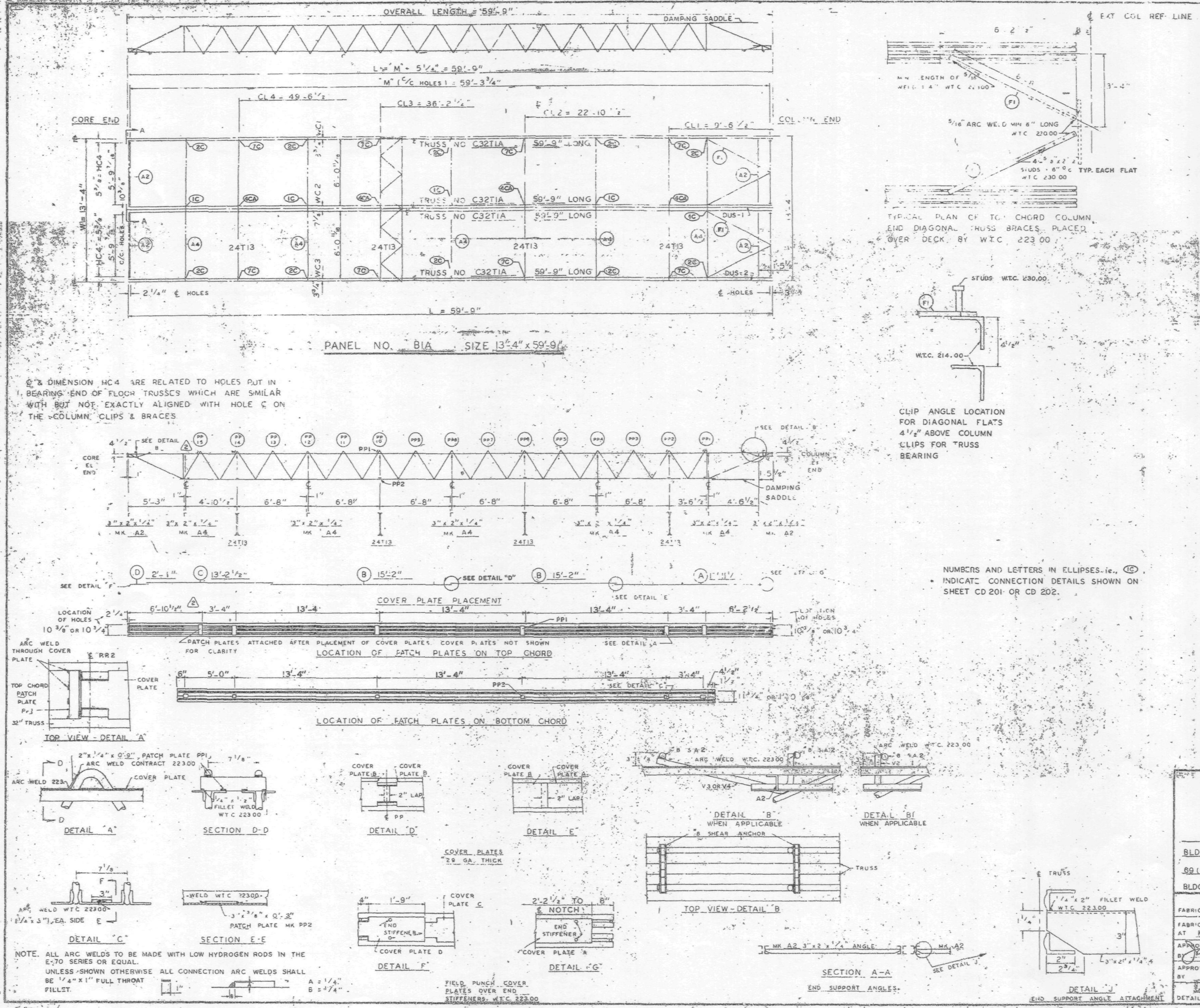
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 74(N)

PANEL A1P - 20'-0" x 57'-7"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-3 4-1-68 PLATE	
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 10/18/68	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FOR FABRICATOR	DATE	CHECKED BY T. CHURA DATE OCT. 11, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W T C 221	SHEET NO FP A1P



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	4	C32T1A 59'-9"	ST 201A
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT 213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5' [illegible]	ST 403
	A4	5	3" x 2" x 1/4" x 13' 3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x [illegible]	[illegible]
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-3 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

2	6-4-69	AS NOTED	G.D.C.
1	7-15-68	GENERAL	T.M.C.
NO.	DATE	REVISION	BY

REF. DRWG (2)

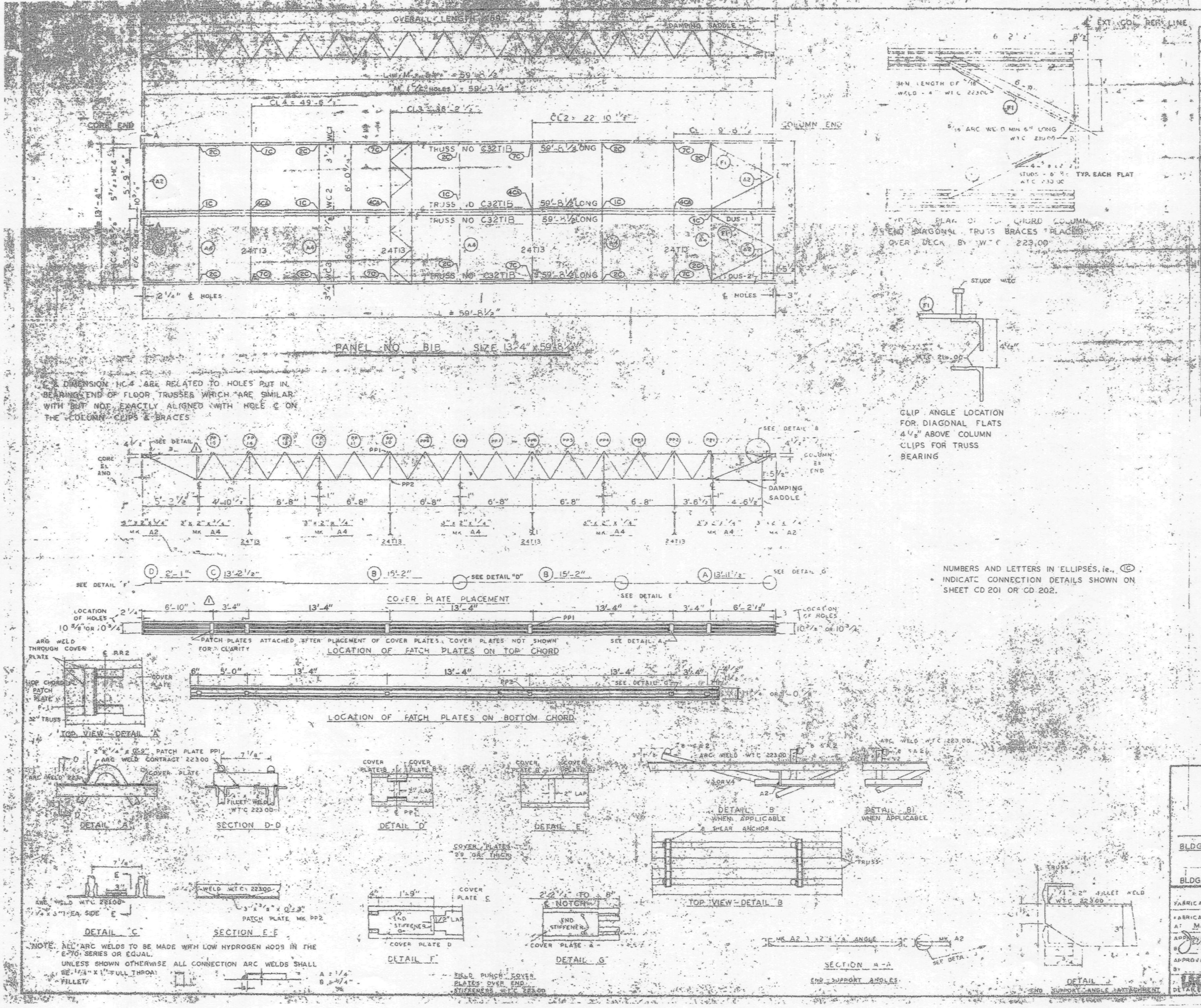
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-23-66
7-AB2-8	7-22-66

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68 69 (NORTH) PANEL B1A - 13'-4" x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) [illegible], 6[illegible]-69 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5	PLATE
APPROVED FOR FABRICATION BY James White N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP B1A



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	TIB	4	C32[illegible] 59'-8 1/2"	ST 201
BRIDGING TRUSSES	TI3	4	24TI3 [illegible]	ST 213
3" x 2" x 1/4" ANGLE	A2	4	[illegible]	ST 403
	A4	5	3" x 2" [illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	2" x [illegible]	400
	PP2	12	[illegible]	[illegible]
COVER PLATES	A	2	9" x 0.135" x 3'-11 1/2"	ST 303
	B	4	9" x 0.135" x 13'-2"	ST 303
	C	2	9" x 0.135" x 13'-2 1/2"	ST 303
	D	2	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-6"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-3 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	4	4 1/2" x .38" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	G.D.C.

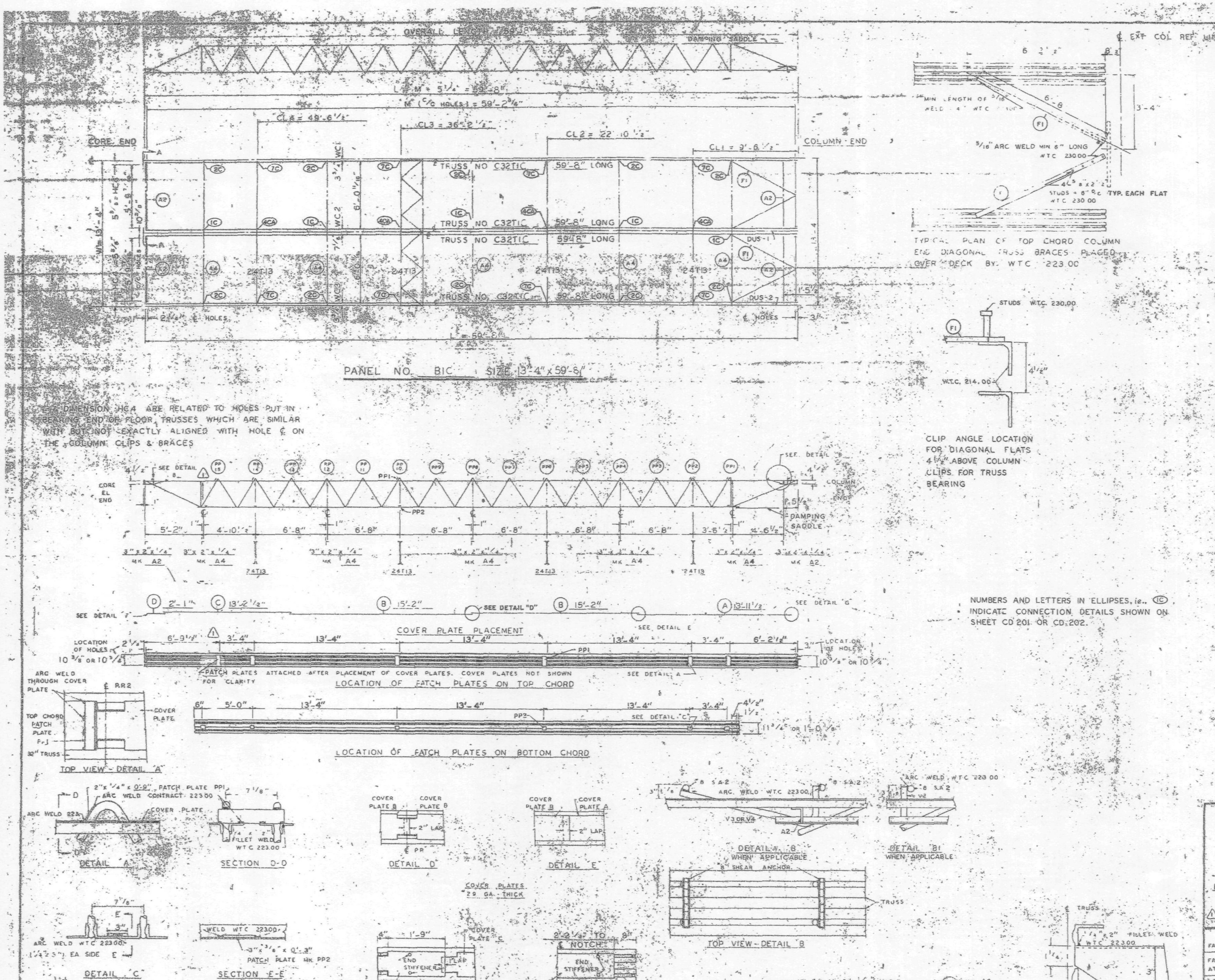
REF. DRWG.

7-AB4-55	10-15-68
7-AB4-16 & 16	7-22-68
7-AB4-42	10-15-68
SA-AB2-4	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (N)
PA[illegible] [illegible] 4" x 59'-8 1/2"
BLDG. B FLOORS 83-91, 93-106 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A. DATE 1/2/70
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
DATE [illegible] 1968
CHECKED BY [illegible] DATE OCT. [illegible] 1968
DETAILED BY R.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B13[illegible]



B/E DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 3/16" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T1C	4	C32T 59'-[illegible]"	ST201
BRIDGING TRUSSES	T13	4	24T13 - 13'-3	BT212
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5 [illegible]	ST403
	A4	5	3" x 2" x 1/4" x 13 [illegible]	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8	[illegible]402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST400
	PP2	12	3" x 3/8" x 0'-3"	ST400
COVER PLATES	A	23	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST296
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST296
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST400
	P2	4	4 1/2" x .39" x 0'-8"	ST400
	P3	4	4 1/2" x .39" x 1'-0"	ST400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	[illegible]

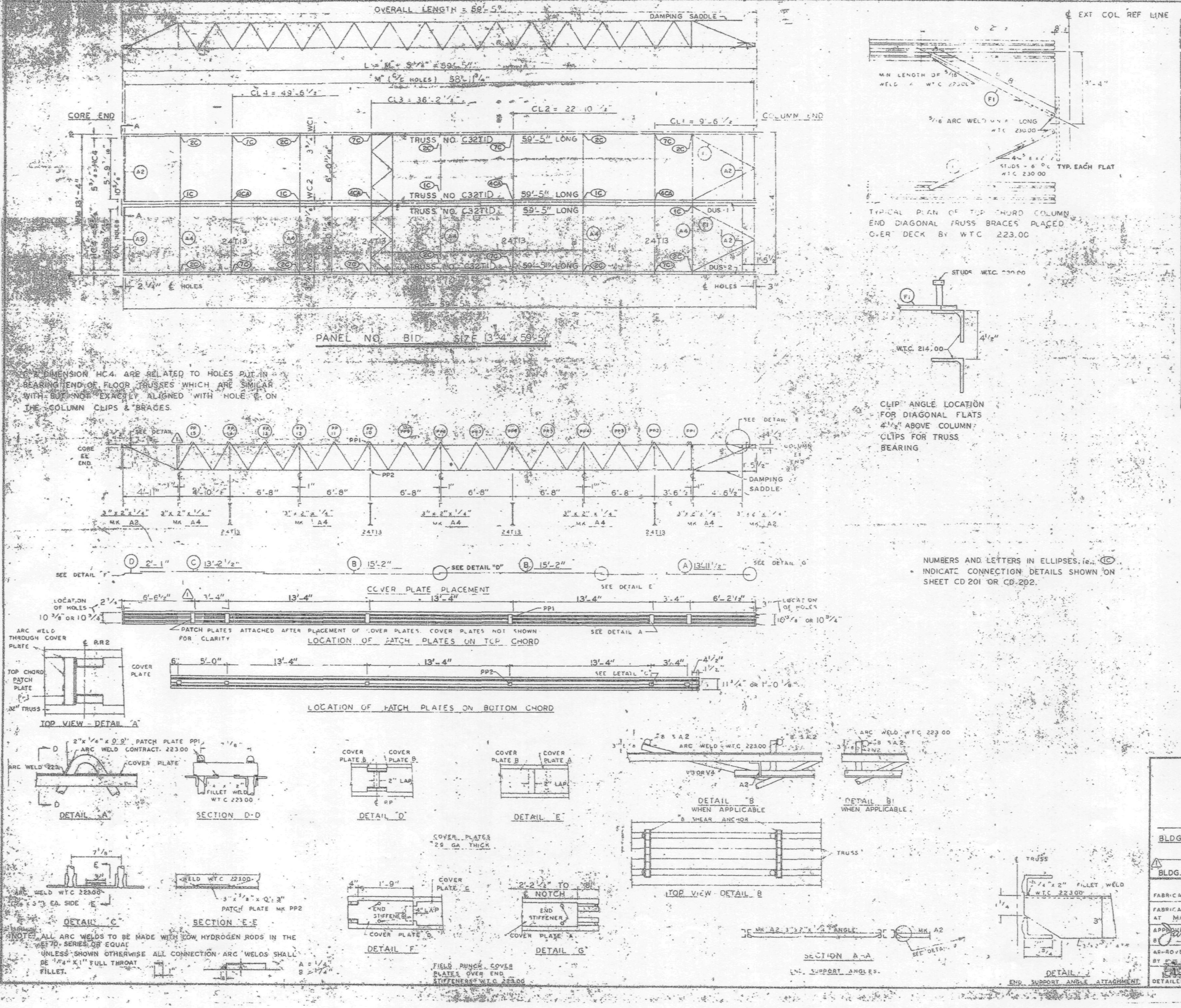
1 REF. DRWG	
7-AB4-3	10-15-68
7-AB4-16 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60-66, 68-74, 79-91, 93-106
PANEL B1C - 13'-4" x 59'-8"
1 BLDG. B FLOORS 49-58, 60-74, 79-91, 93-106

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5	PLATE
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE OCT. 5, 1968	
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR	DATE	CHECKED BY [illegible] DATE OCT. [illegible] 1968	IN CHARGE OF [illegible]
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. WTC 221[illegible]	SHEET NO. FD B1C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T11	4	C32T1D 59'-5"	ST201
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4"x13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	[illegible]
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x8 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	[illegible]

REF DRWG (1)

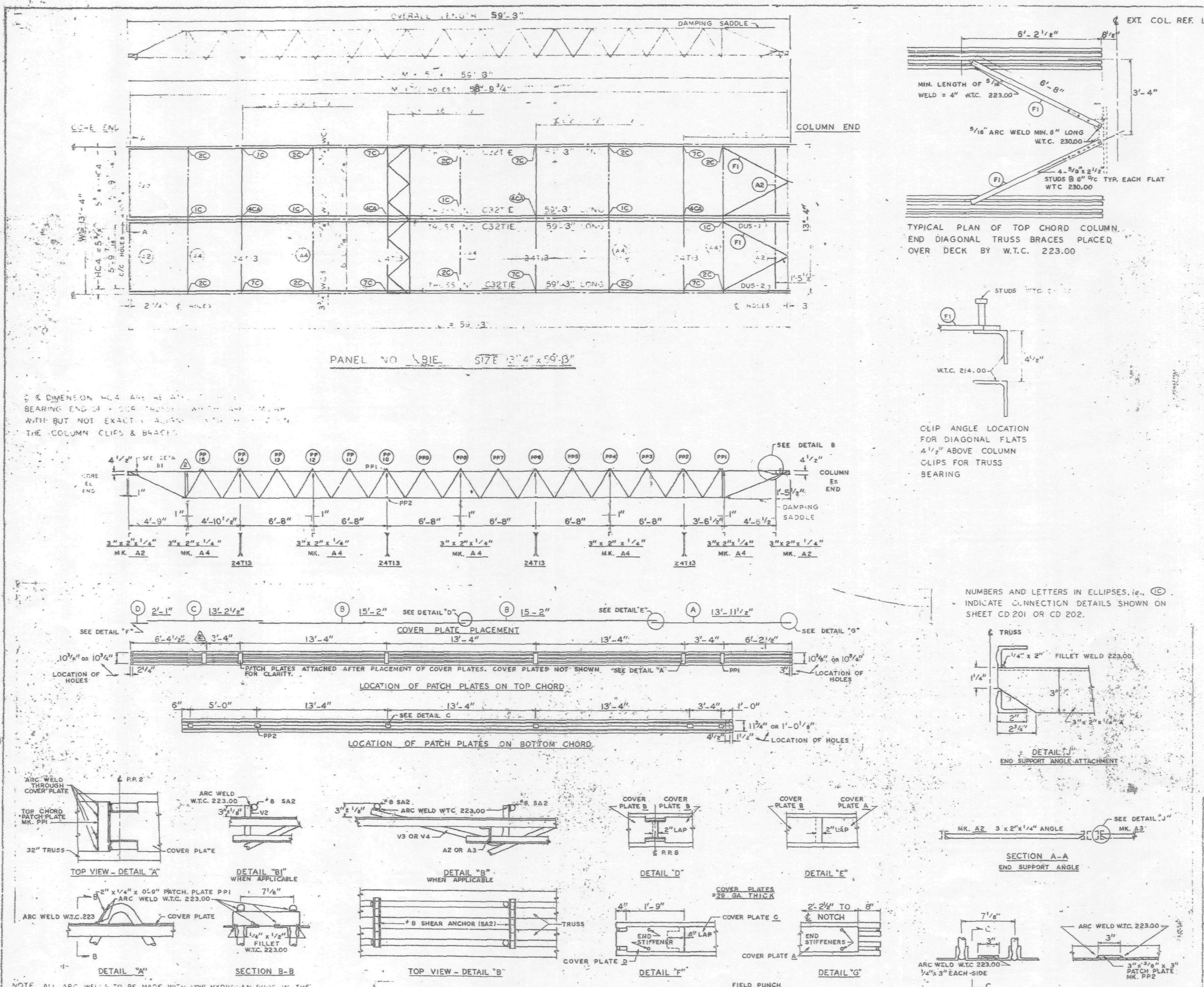
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-26-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 N
PANEL [illegible] 13'-4" x 59'-5"
(1) BLDG. B FLOORS 81-82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5	PLATE
APPROVED FOR FABRICATION BY James White FOR Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE OCT [illegible] 1968	
APPROVED FOR FABRICATION BY [illegible]	DATE	CHECKED BY T.M. [illegible] DATE OCT 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP B1D A



NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
[illegible] TRUSSES	T.E.	4	C32T E 59'-3"	ST 201E
	T13	4	24T13 - 13'-3	BT 213
	A2	[illegible]	[illegible]	ST 403
	A4	5	[illegible]	[illegible] 403
[illegible]	[illegible]	4	[illegible]	[illegible] 2
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	[illegible] 3"	ST 400
COVER PLATES	A	2	9" x 0135" x 13'-11 1/2"	ST 303
	B	4	9" x 0135" x 15'-2"	ST 303
	C	2	9" x 0135" x 13'-2 1/2"	ST 303
	D	2	9" x .035" x 2'-1"	ST 303
ANGLE CLIPS	[illegible]	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3' 6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3' 6 7/8"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	5-4-69	AS NOTED	G.D.C.
1	7-15-68	GENERAL	T.M.C.

(2) REF. DWGS.

[illegible] AB4-3	10-15-68
[illegible] AB4-5 & 6	7-22-68
[illegible] AB4-42	10-15-68
[illegible] SA-24	1-6-69
[illegible] AB3-2	[illegible] 68
[illegible] AB1-2	7-22-68
[illegible] AB2-8	7-22-68

THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (NORTH & SOUTH)

PANEL [illegible] 13'-4" x 59'-3"

PACIFIC CAR AND FOUNDRY COMPANY

James White 1/2/10

DATE FEB. 24, 1968

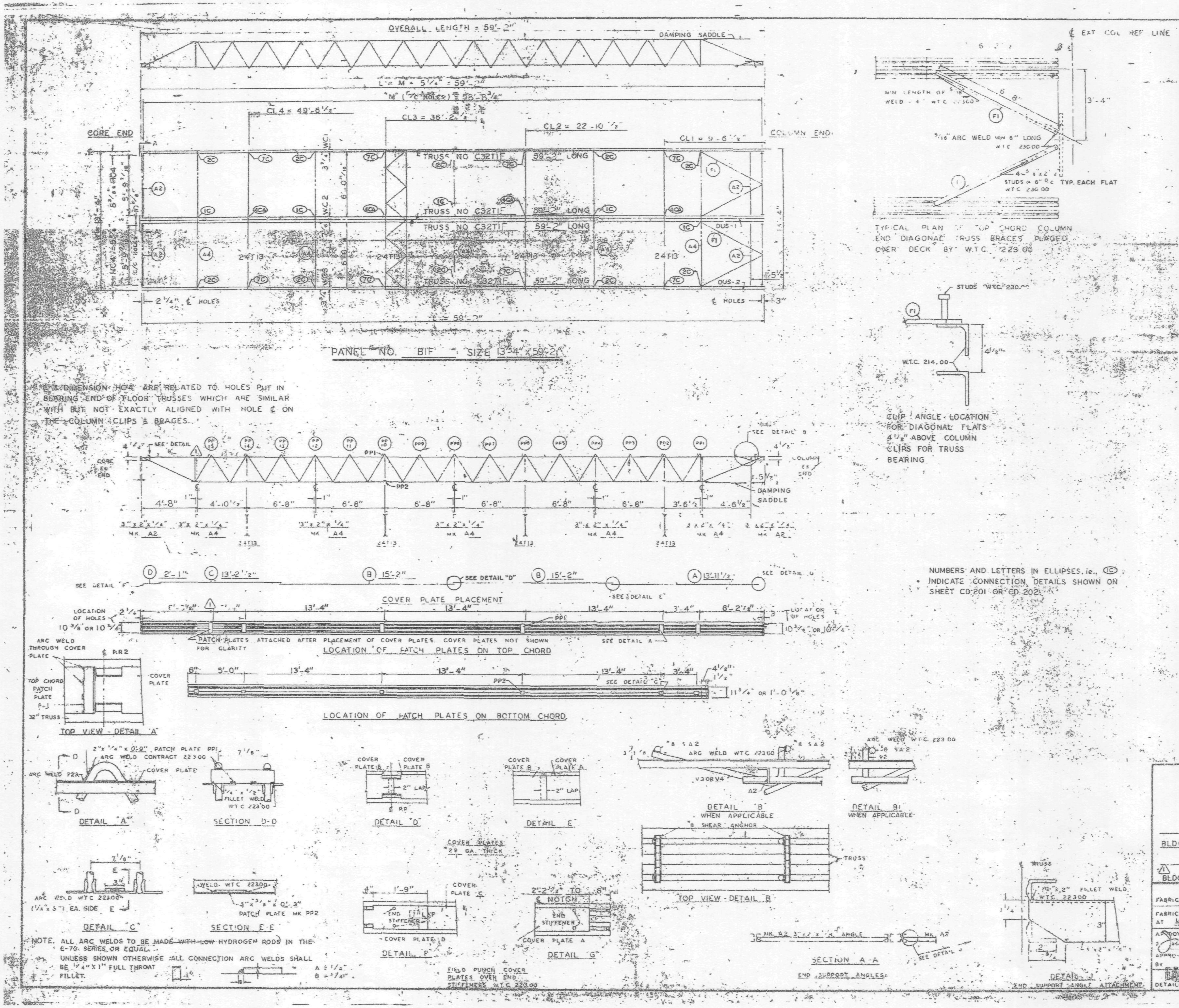
CHECKED BY [illegible] PAUL

DATE FEB. 24, 1968

IN CHARGE OF PROD. DE.

FABRICATION SHOP NO. 221

SHEET FP B1E



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2"x3/8"x6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400

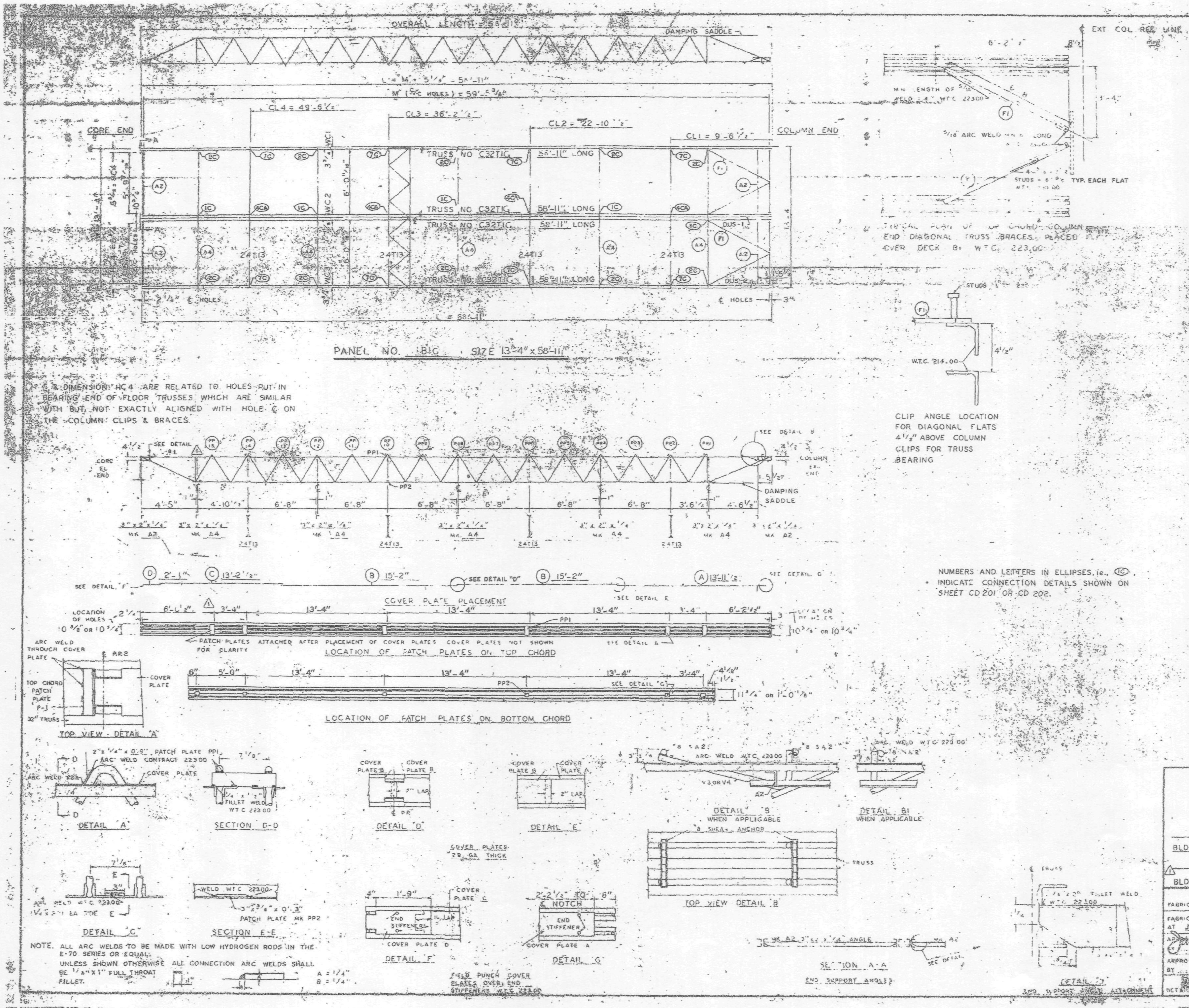
NO.	DATE	REVISION	BY
1	[illegible]	AS NOTED	

REF. DRWG
- 7-AB4-3
- 7-AB4-15 & 16
- 7-AB4-42
- SA-124
- 7-AB3-2 — 1-3-68
- 7-AB1-2
- 7-AB2-8

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48(E), 47-48, 70-71(W)
PANEL B1F — x 59'-2"
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 PLATE
APPROVED FOR FABRICATION PONYA DATE 1/2/70
DRAWN BY DATE 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY DATE OCT 1968
IN CHARGE OF
DETAILED BY A.G. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-B1F



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1G	4	C32T1G - 58'-11"	ST 2016
BRIDGING TRUSSES	T13	4	24T13 [illegible]	BT 2[illegible]
3" x 2" x 1/4" ANGLE	A2	4	[illegible]	ST 403
	A4	5	[illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	[illegible] x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-8"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	[illegible]

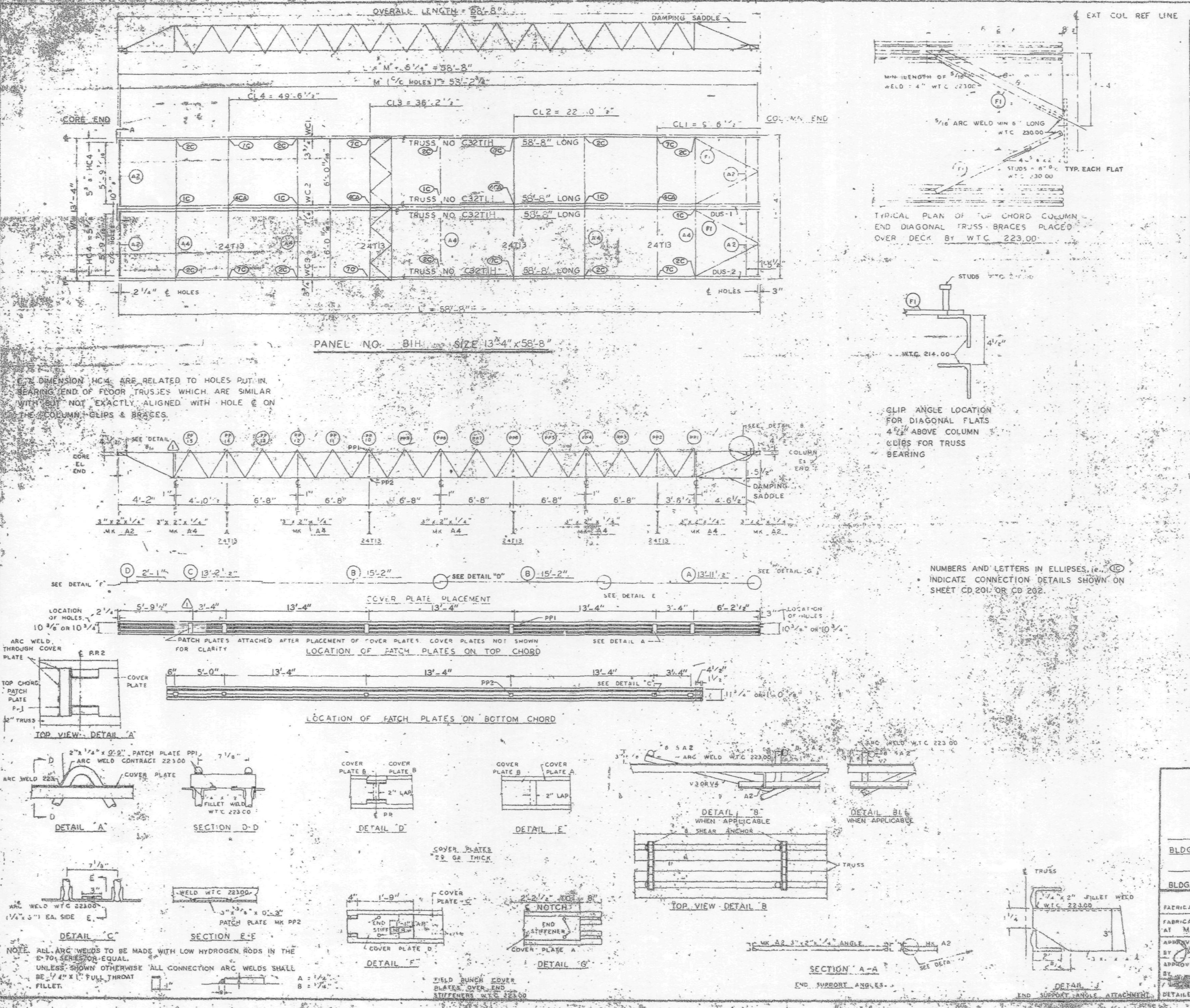
REF DRWG

7-AB4-8	10-15-68
7-AB4-15 & 16	7-24-68
7-AB4-42 (1)	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-24-68
7-AB2-8	7-24-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (NORTH & SOUTH)
PANEL B1G 13'-4" x 58'-11"
(1) BLDG. B FLOORS 39-40 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA DATE 1/2/70
DRAWN BY [illegible] DATE OCT. 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.C. DATE OCT. 15, 1968 IN CHARGE OF [illegible]
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FD B1G



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PC.	SIZE	
FLOOR TRUSSES	T1H	4	C32T1H 58'-8"	ST201H
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3 x 2 x 1/4 ANGLE	A2	4	3" x 2" x 1/4" x 5'-[illegible]	ST403
	A4	5	3" x 2" x 1/4" x 3'-3"	ST403
DIAGONAL FLATS	F	4	1/2" x 3/8" x 0'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	

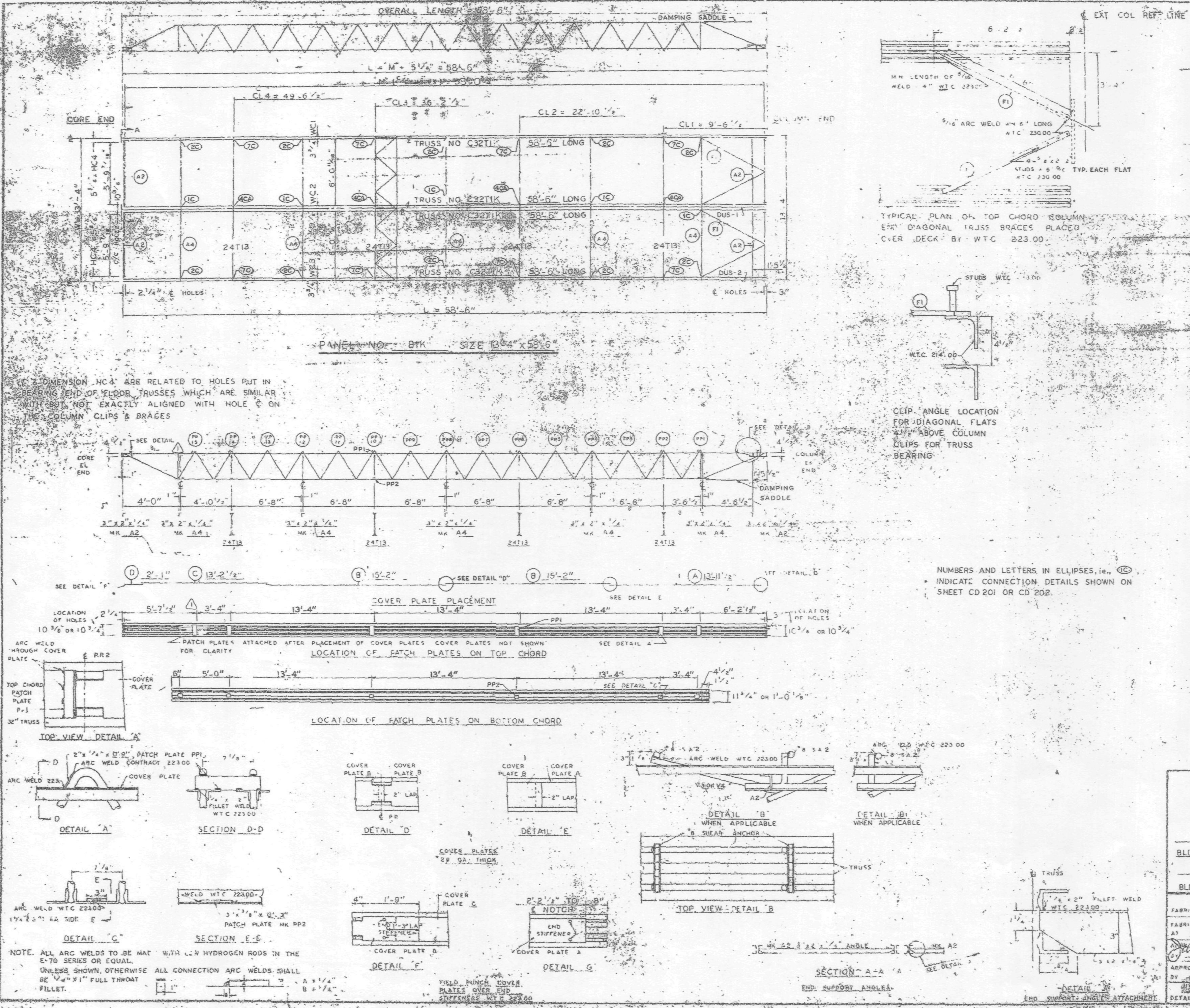
REF. DRWG

7-AB4-3	10-15-68
7-AB4-17 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (N)
PANEL B1H 13'-4" x 58'-8"
BLDG. B FLOORS 79-80 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 PLATE
APPROVED FOR FABRICATION BY James [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE [illegible] 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY [illegible] DATE OCT. 1968
IN CHARGE OF
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FB-B1



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1K	4	C32T1K - 58'-6"	ST201K
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST400
	PP2	12	3" x 3/8" x 0'-3"	ST400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	CL	16	2" x 1 1/2" x 1/4" x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST29B
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST29B
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST400
	P2	4	4 1/2" x .39" x 0'-9"	ST400
	P3	4	4 1/2" x .39" x 1'-0"	ST400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-46(S) + 46(N)

PANEL B1K 13'-4" x 58'-6"

BLDG. B FLOORS 45-46 (EAST) 46 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE

APPROVED FOR FABRICATION BY James White FOR N.Y.A. DATE 1/2/70

DRAWN BY DATE OCT 1968

APPROVED FOR FABRICATION BY DATE

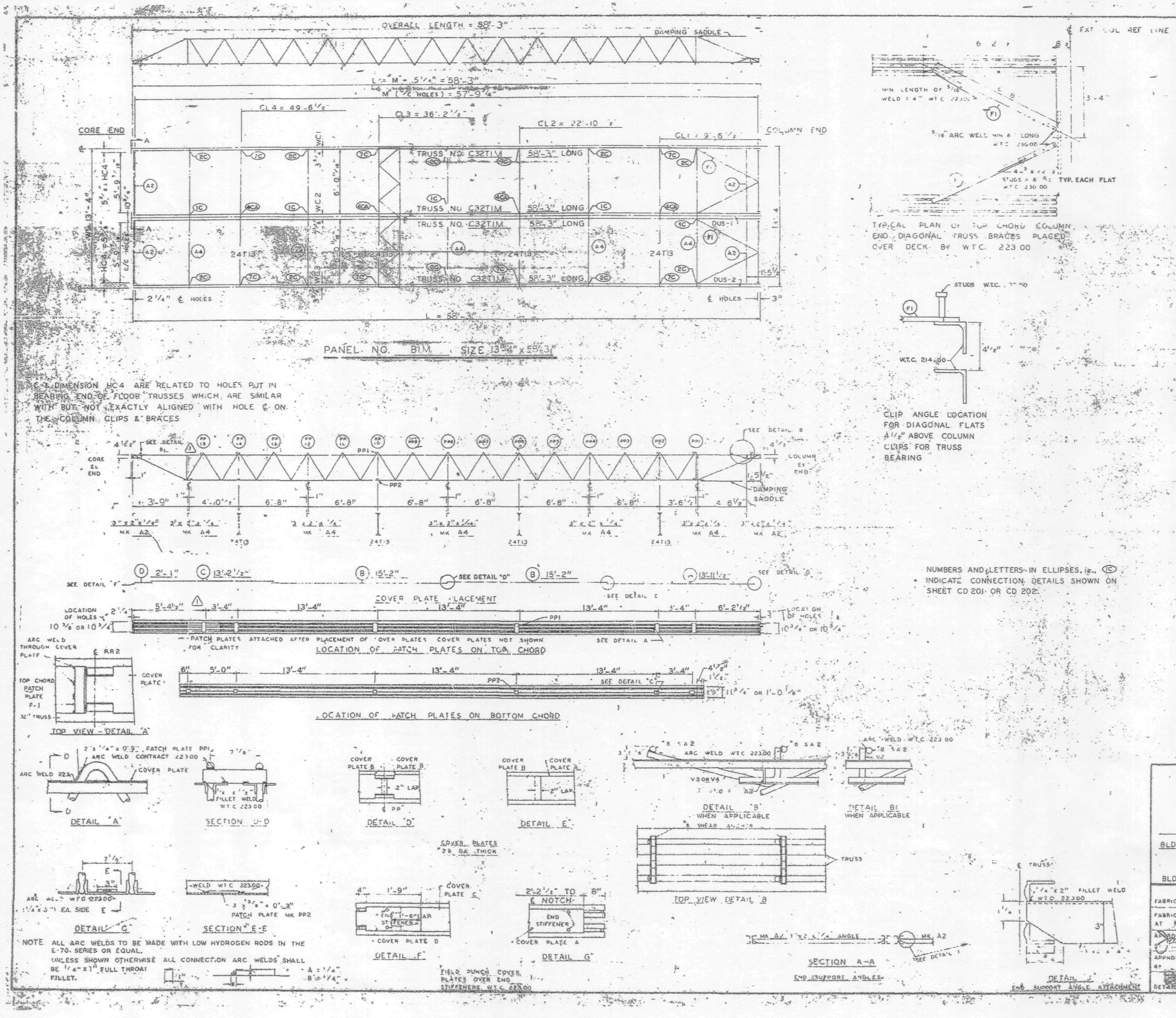
CHECKED BY DATE OCT 1968

IN CHARGE OF

DETAILED BY A.G. STEEL

FABRICATION CONT. NO. WTC 221

SHEET NO. B1K



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1M	4	C32T1M - 58'-3"	ST201M
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-9/16	ST403
	A4	5	3"x2"x1/4x13' 3	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-6"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'9"	ST403
	PP2	12	3x3/8x0'3"	ST403
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135 x15'-2"	ST303
	C	2	9"x.0135" x 13'-2 1/2	ST303
	D	2	9"x.0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	G&C

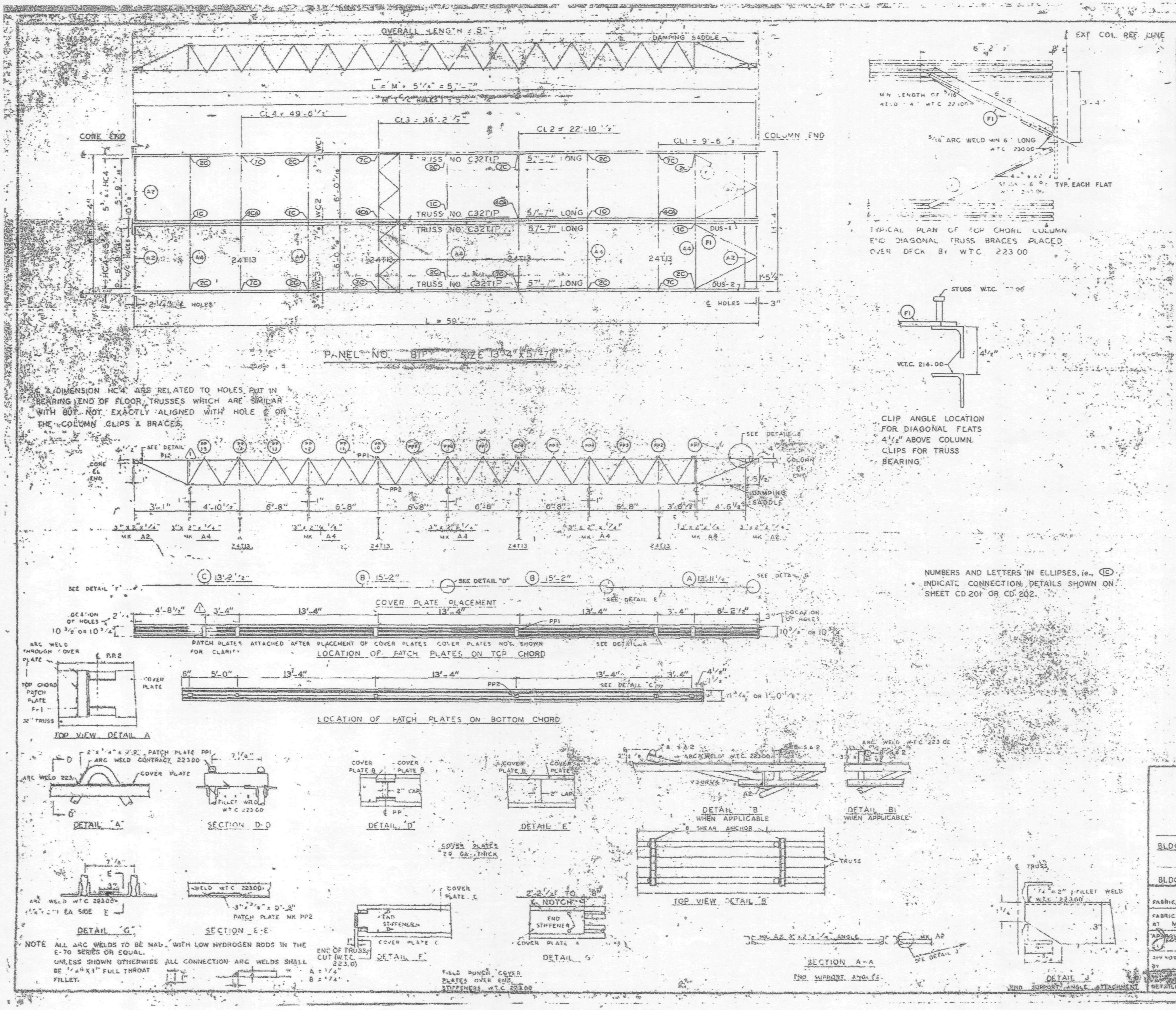
REF DRWG

- 7-AB4-3 — 10-15-68
- 7-AB4-15 & 16 — 7-22-68
- △ 7-AB4-42 — 10-15-68
- SA 124 — 1-6-69
- 7-AB3-2 — 1-3-68
- 7-AB1-2 — 7-22-68
- 7-AB2-B — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (W)
PANEL B1M
BLDG. B FLOORS 72-73 (WEST) △1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE OCT. 13, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY [illegible] DATE OCT. [illegible], 1968 IN CHARGE OF [illegible]
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B1 1



REQUIRED MATERIAL FOR PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1	4	C32T1 5 - "	ST201
BRIDGING TRUSSES	T13	4	24T13 13'-3"	ST218
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2		#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x6 1/2"	ST400
	P2	4	4 1/2"x.39"x0'-9"	ST400
	P3	4	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	

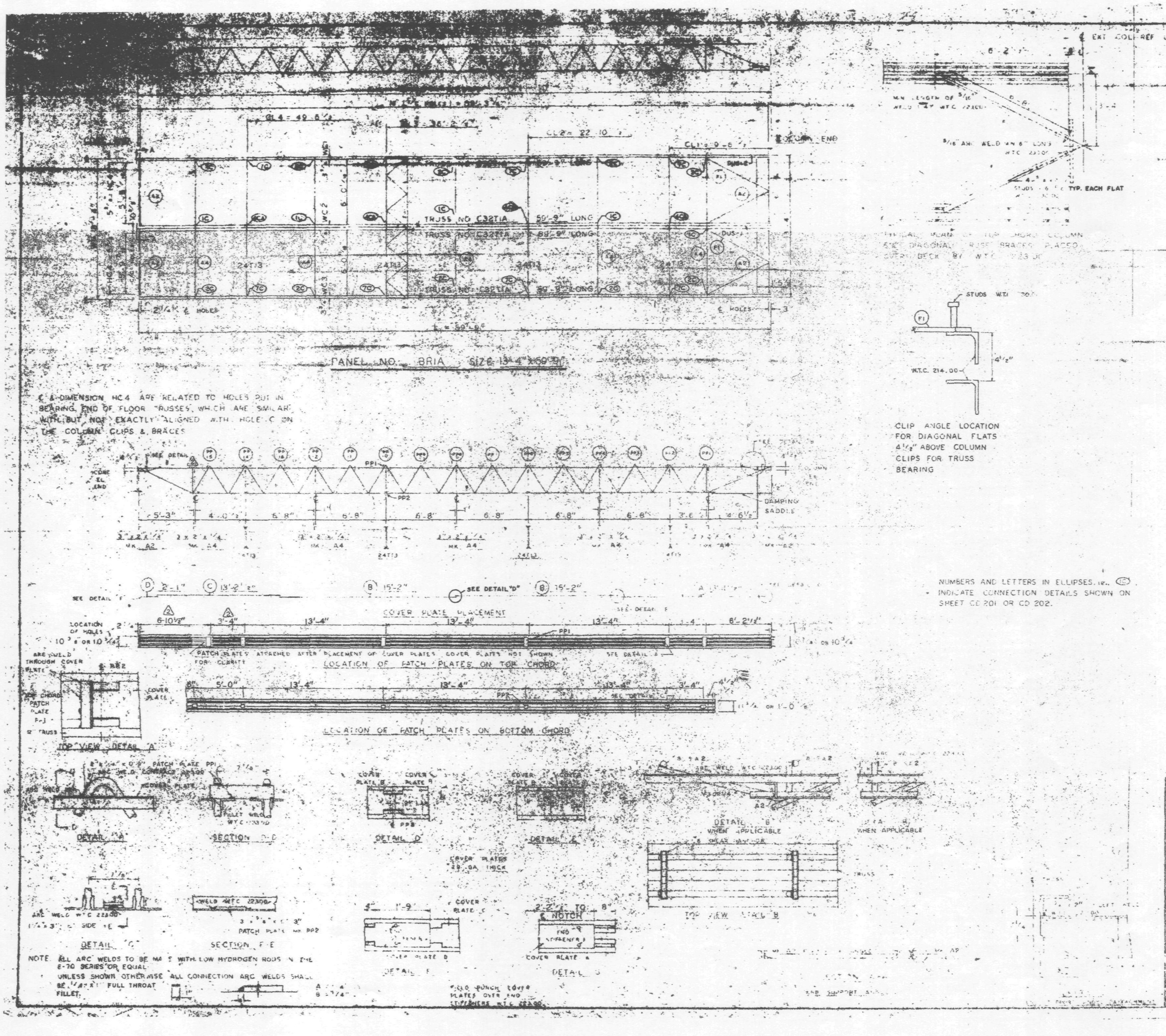
REF DRWG (1)

- 7-AB4-3 — 10-15-68
- 7-AB4-15 & 16 — 7-22-68
- 7-AB4-42 — 10-15-68
- SA-124 — 1-6-69
- 7-AB3-2 — 1-3-68
- 7-AB1-2 — 7-22-68
- 7-AB2-8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 71 (W)
PANEL B1P 57'-7"
BLDG. B FLOORS 74 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3-5
PLATE
APPROVED FOR FABRICATION James White PNYA — DATE 1/2/70
DRAWN BY — DATE 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY CHURA — DATE 1968
IN CHARGE OF
DETAILED BY A. C. FISHER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. B1P



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1A	4	C32T1A - 59'-9"	ST 204
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3 x 2 x 1/4 ANGLE	A2	4	3 x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3 x 2" x 1/4 x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2 x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	[illegible] x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x 0.135" x 13'-8 1/2"	ST 303
	B	4	9" x 0.135" x 15'-2"	ST 303
	C	2	9" x 0.135" x 13'-2 1/2"	ST 303
	D	2	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
[illegible] ANCHOR	SA2	8	[illegible] REBAR x 0'-9"	ST 400
DAMPING SADDLES	DUS 1	[illegible]	[illegible]	ST 296
	DUS 2	[illegible]	3 x 3 1/2 x [illegible]	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

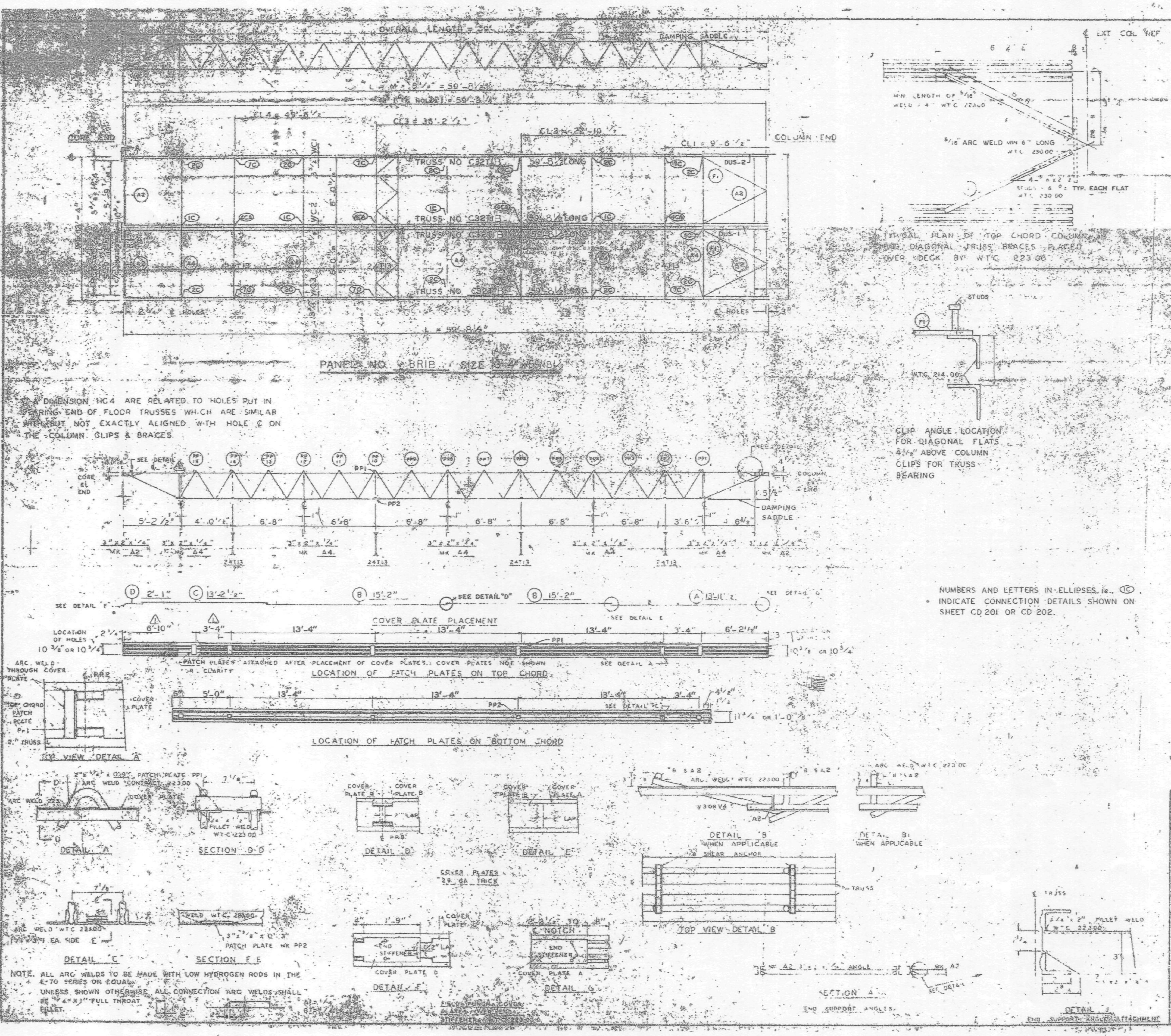
NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	[illegible]
1	7-15-68	GENERAL	[illegible]

REF DRWGS: 7-A04 [illegible] 10-15-68; 7-A84 [illegible] 7-24-68; 7-A5 [illegible] 42 10-15-68; SA [illegible] 1-6-69; 7-A85 [illegible]; 7-A5 [illegible] 7-24-68; 7-A8 [illegible] 7-24-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-48 (NORTH & SOUTH) [illegible]
69 (NORTH) PANEL 8R1 [illegible] 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 [illegible]

FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. [illegible]
APPROVED FOR FABRICATION James White DATE 1/2/70
DRAWN BY [illegible] DATE FEB 24, 1968
CHECKED BY [illegible] DATE FEB 24, 1968
FABRICATION CONT. NO. 221
SHEET NO. [illegible] 8R1A



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1B	4	C32T1B - 59'-8 1/2"	ST201B
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST218
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	CL	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"φ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	[illegible]

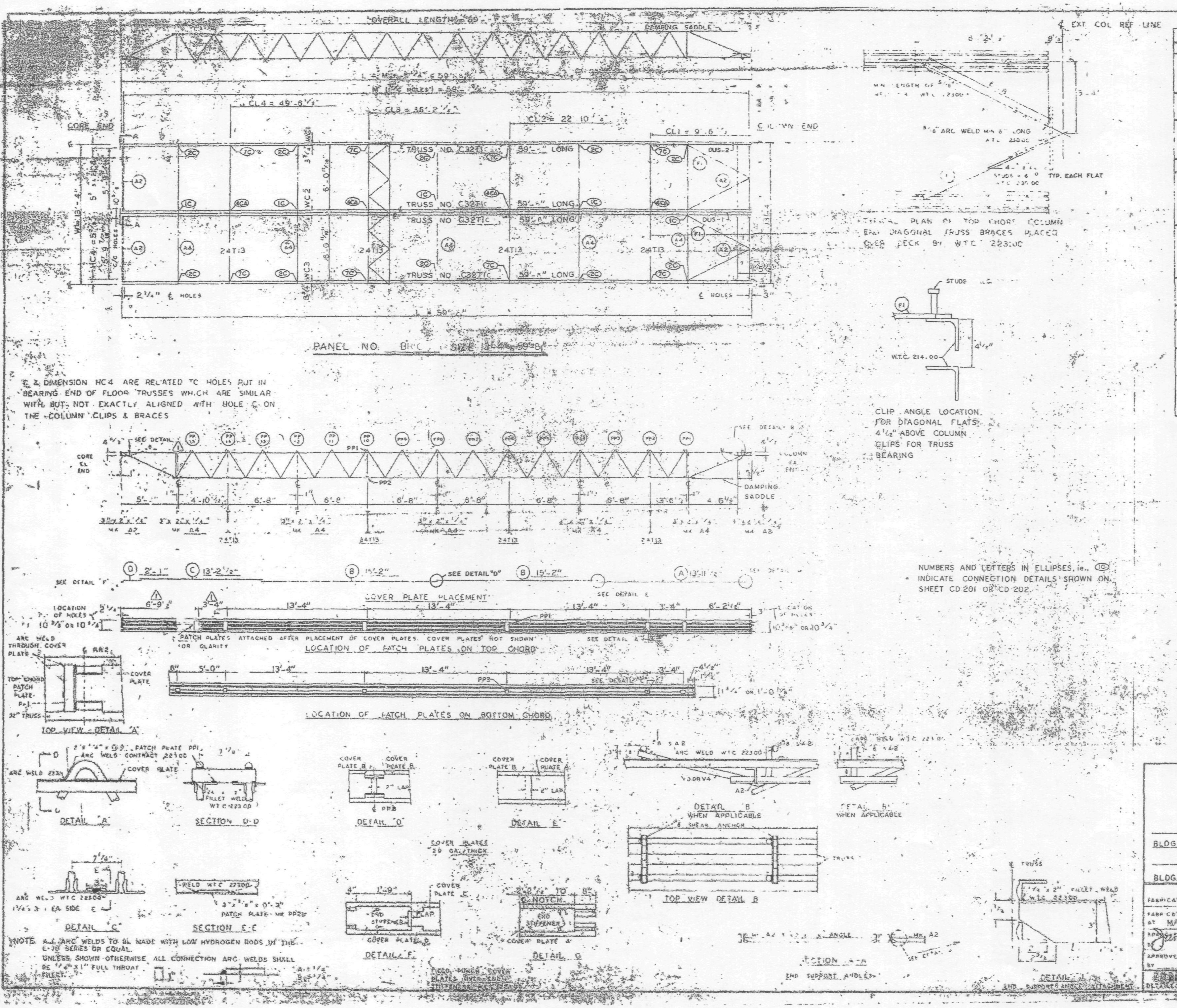
REF. DRWG

7-AB4-2	10-15-68
7-AB4-15,16 & 39	7-22-68
7-AB4-42	10-15-68
SA 124	1-6-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (N)
PANEL [illegible] 4" x 59'-8 1/2"
BLDG. B FLOORS 83-91, 93-106 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-6 PLATE
APPROVED FOR FABRICATION BY James White FOR P of NYA DATE 1/2/70
DRAWN BY [illegible] DATE 10-22-[illegible]
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.H. HUSAIN DATE [illegible]
IN CHARGE OF PROD. DIV.
DETAILED BY [illegible]
FABRICATION CONT. NO. WTC 221
SHEET NO. FD BRIB



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T-C	4	C32T1C - 59'-8"	ST201C
BRIDGING TRUSSES	T13	4	24T13 13'-3"	ST213
3"x2"x1/4" ANGLE	[illegible]	4	[illegible] 4 x 5'-1 9/16	ST403
	[illegible]	5	[illegible] 4 x 13'-3	ST403
DIAGONAL FLATS		4	1 2 x [illegible] 8 x 6'-8"	ST402
PATCH PLATES	PP	12	2" x [illegible] 4 x 0'-9"	ST400
	PP2	12	[illegible] x 3 x 0'-3"	ST400
COVER PLATES	A	2	9" x 0.135" x 0'-11 1/2	ST303
	B	4	9" x 0.135" x 15'-2"	ST303
	C	2	9" x 0.135" x 13'-2 1/2	ST303
	D	2	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-5	ST 400
DAMPING SADDLE	DUS 1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS 2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	RJ

(1) REF DRWG

7-AB4-3	10-15-68
7-AB4-15-16	7-22-68
7-AB4-42	10-15-68
5A-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60-66, 68-74, [illegible]

PANEL [illegible] 4" x [illegible]

BLDG. B FLOORS 49-58, 60-74, 79-91, 93-106 (EAST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. [illegible] PLATE

APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70

DRAWN BY [illegible] DATE [illegible] 22-[illegible]

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

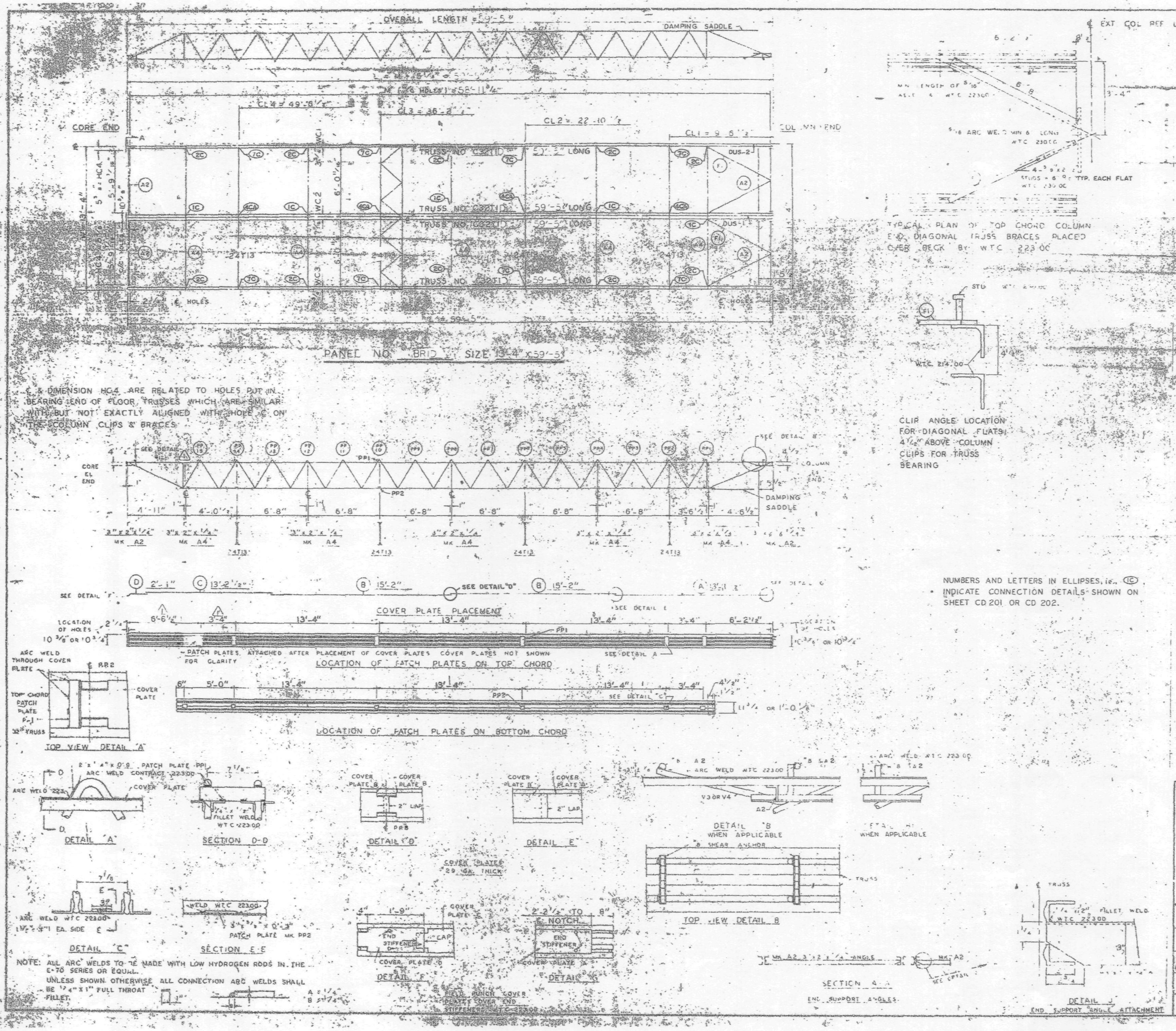
CHECKED BY [illegible] DATE 10-22-[illegible]

IN CHARGE OF [illegible]

DETAILED BY [illegible] WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FB-BRIC



REQUIRED MATERIAL PER PANEL.				
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T1D	4	C32T1D · 59'-5"	ST 2010
BRIDGING TRUSSES	T13	4	24T13 · 13'-3"	ST 213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	CB	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	RJH

REF DRWG

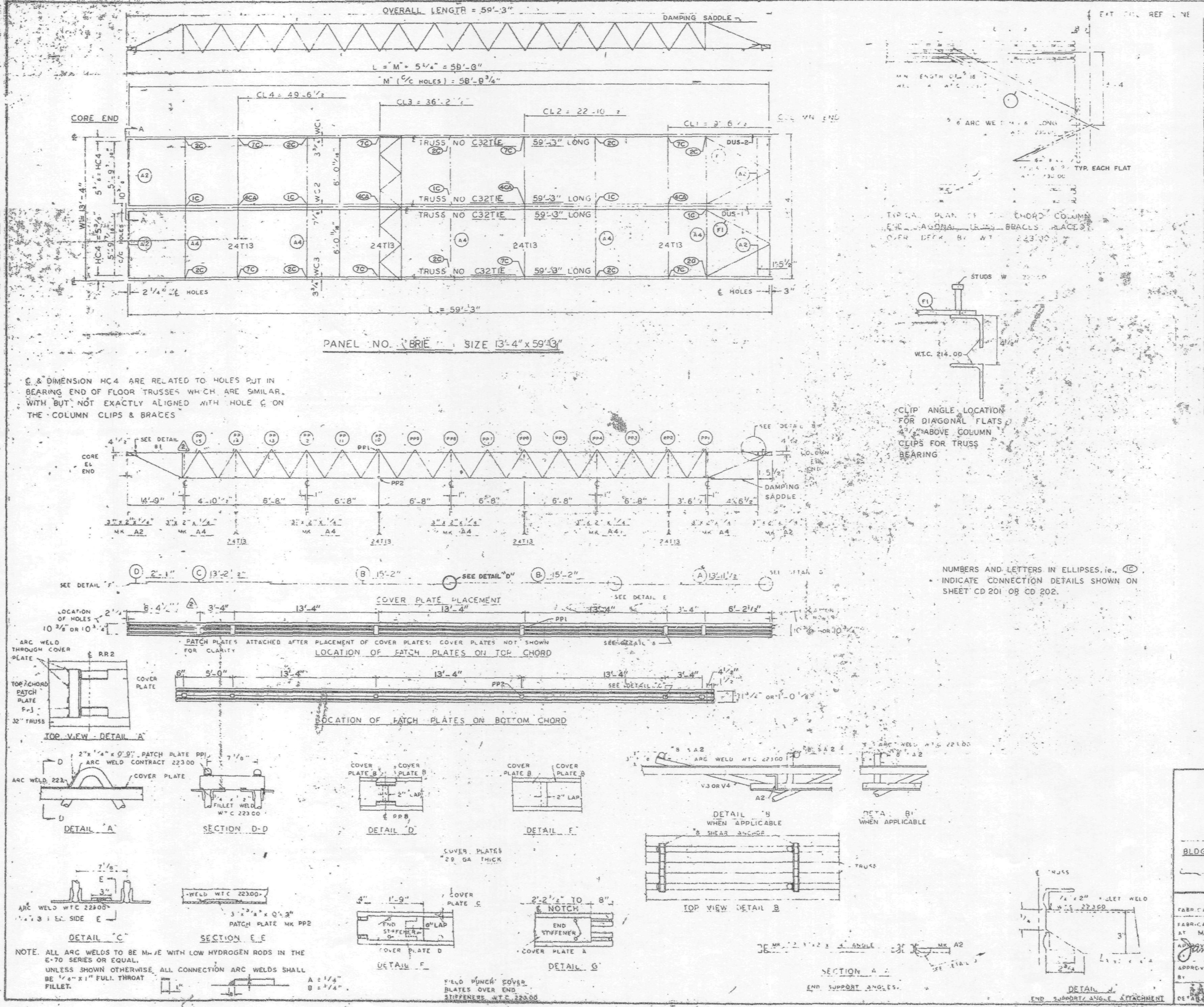
7-AB4-3,3,1	10-15-68
7-AB4 15,16 & 39	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-66
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 [illegible]
PANEL [illegible] 13'-4" x 59'-5"
BLDG. B FLOORS 81-82 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-6 PLATE
APPROVED FOR FABRICATION BY James W. White P.O.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE [illegible]
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY [illegible] DATE [illegible]-68
IN CHARGE OF [illegible]
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
FD BRID



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	4	C32TIE 59'-3"	ST201E
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3 x 2" x 1/4 ANGLE	A2	4	3 x 2 x 1/4 x 5'-1 9/16"	ST403
	A4	5	3 x 2 x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	[illegible]	4	[illegible] x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST400
	PP2	12	3" x 3/4" x 0'-3"	ST400
COVER PLATES	A	2	9" x 0.0359" x 13'-11 1/2"	ST303
	B	4	9" x 0.035 x 15'-2"	ST303
	C	2	9" x .0135 x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST400
	P2	4	4 1/2" x .39" x 0'-9"	ST400
	P3	4	4 1/2" x .39" x 1'-0"	ST400

NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	R.J.P.
1	7-15-68	GENERAL	T.M.C.

REF DRWG (2)

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-24	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

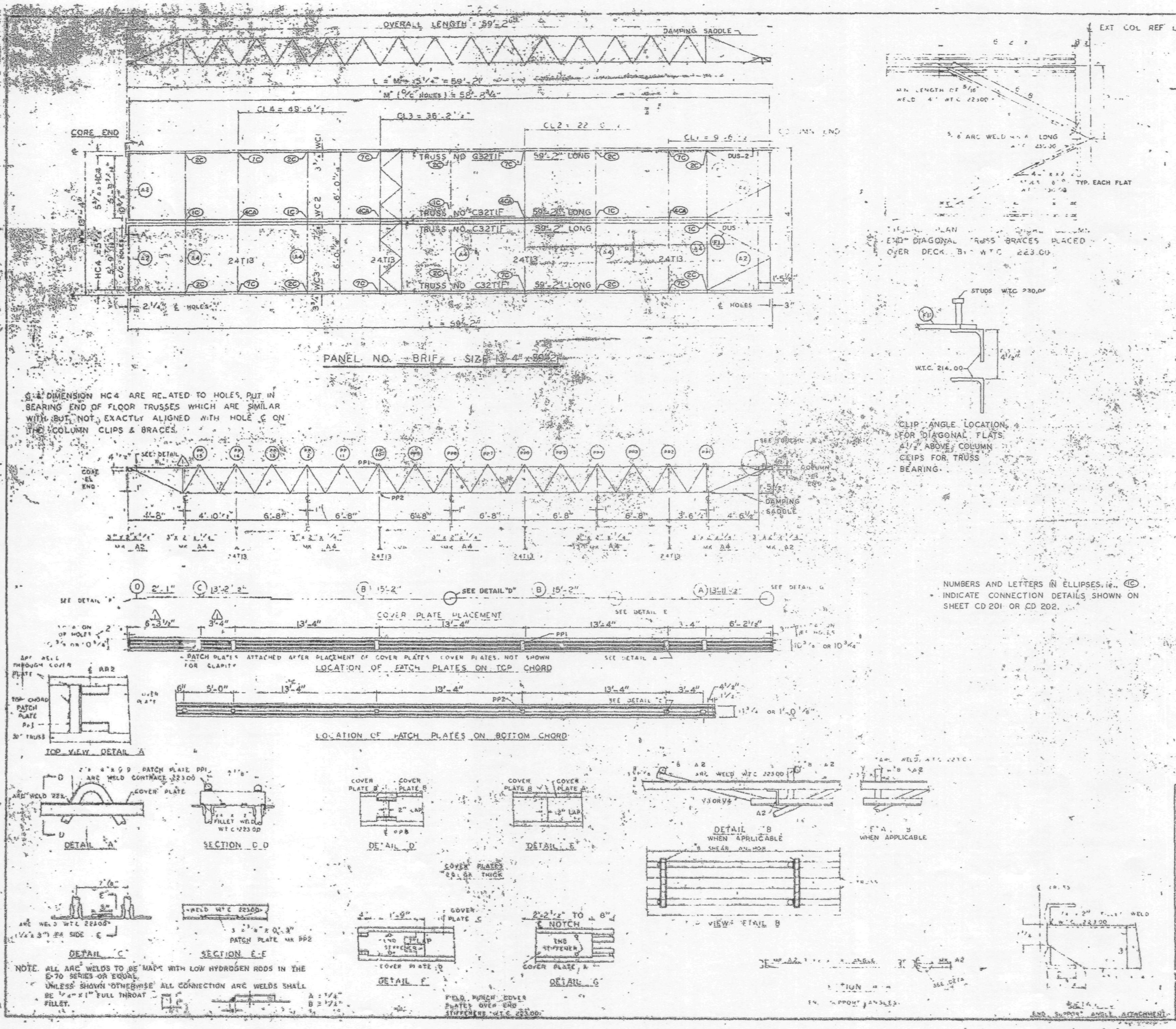
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL BRIE [illegible]" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. [illegible]	PLATS
APPROVED FOR FABRICATION James White FOR PONYA	DATE 1/2/70	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT NO. WTC 221	SHEET NO. FP BRIE



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST201
BRIDGING TRUSSES	T13	4	24T13 13'-3"	ST 219
ANGLE	A2	4	[illegible]	ST 403
	A4	5	[illegible] x 3'-3	ST 403
DIAGONAL FLATS	F	4	[illegible] x 6'-8	ST 402
PATCH PLATES	PP1	12	[illegible] x 0'-9"	ST 400
	PP2	12	[illegible] x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11½	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .035" x 13'-2½	ST303
	D	2	9" x .035 x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½" x 3½ x ⅜" x 3'-6⅞"	ST298
	DUS-2	1	3½ x 3 ½ x ⅜ x 3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 8½"	ST 400
	P2	4	4½" x .39" x 0'-0"	ST 400
	P3	4	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-3-69	AS NOTED	RJ

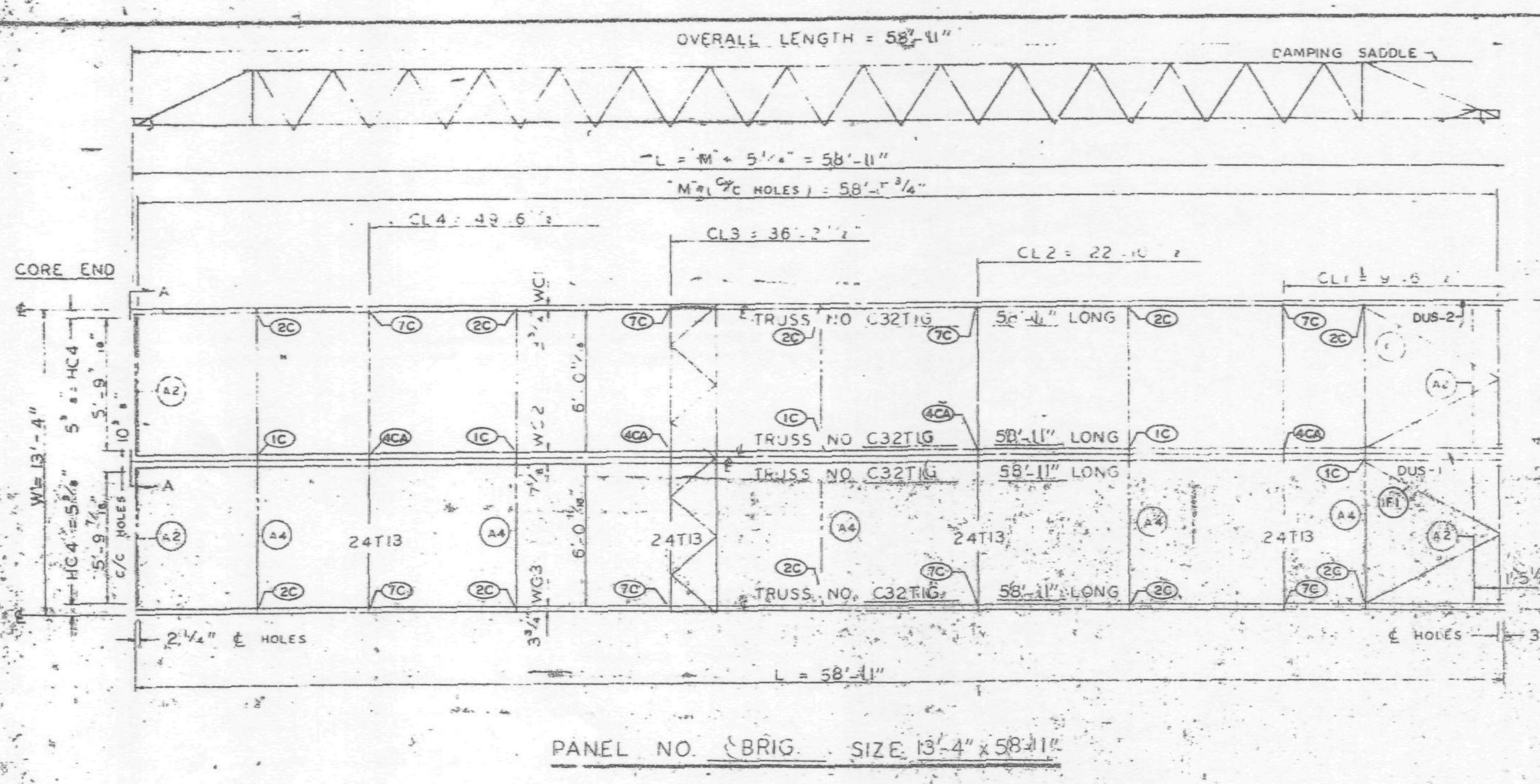
REF DRWG

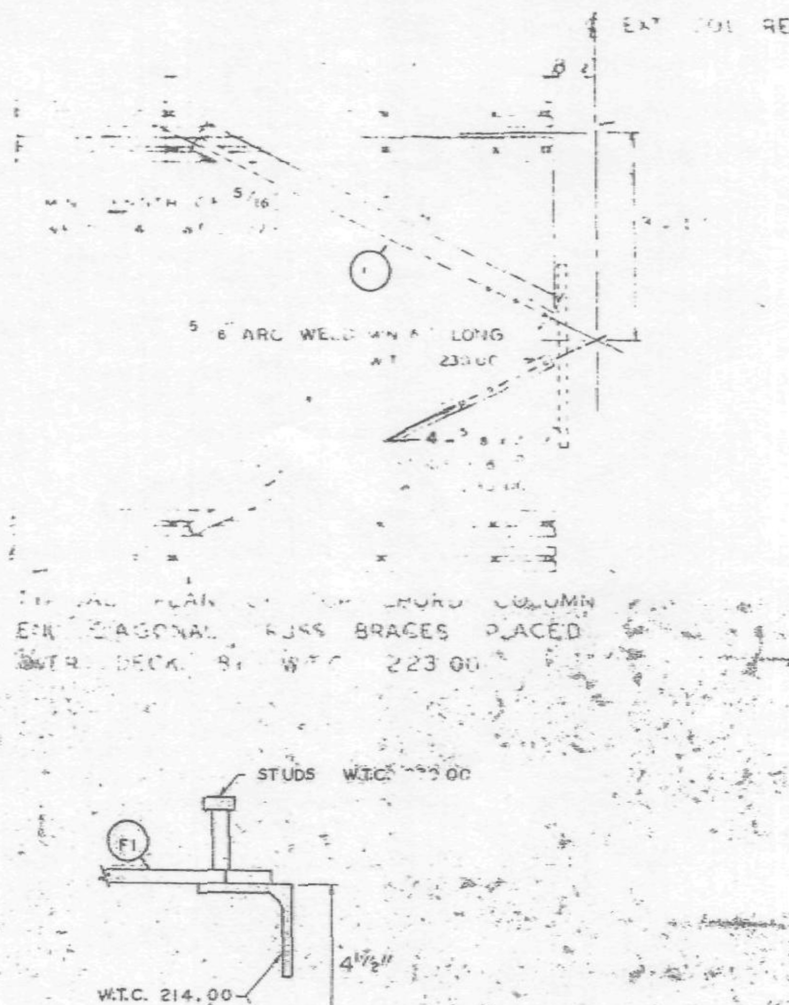
7-AB4-3	10-15-68
7-AB4-15-16	7-22-68
7-AB4-42	10-15-68
SA-24	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 47-48, 70-71 (N) & 47-48 (S)
PANEL BRIF 1 59'-2"
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO AB3-6 PLATE
APPROVED FOR FABRICATION BY James White DATE 1/2/70
APPROVED FOR FABRICATION BY LACLEDE STEEL CO.
DRAWN BY
CHECKED BY
IN CHARGE OF
DETAILED BY
FABRICATION CONT NO W.T.C. 221
SHEET NO BRIF

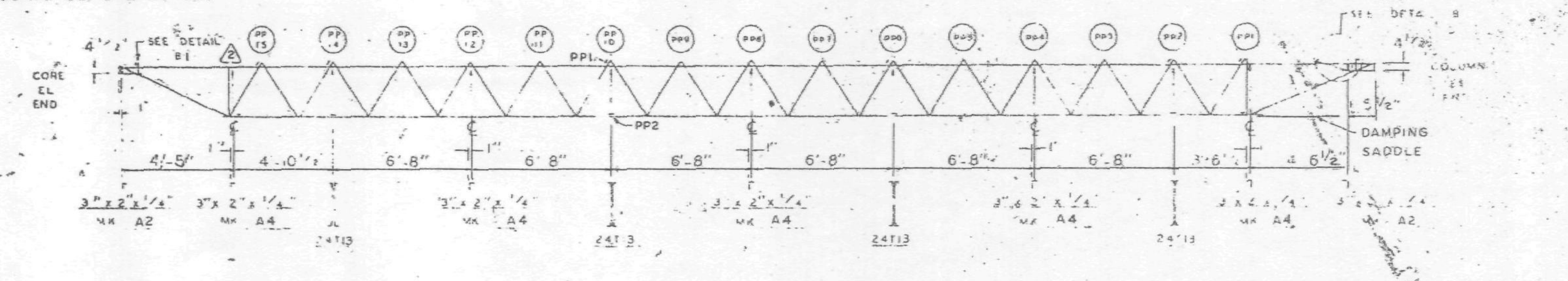


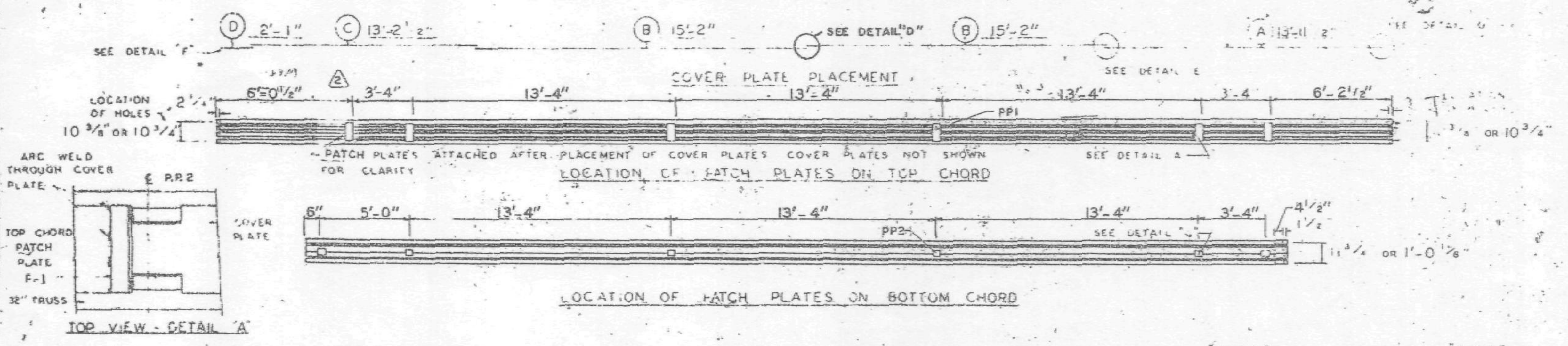


PANEL NO. ℄BRIG. SIZE 13'-4" x 58'-11"

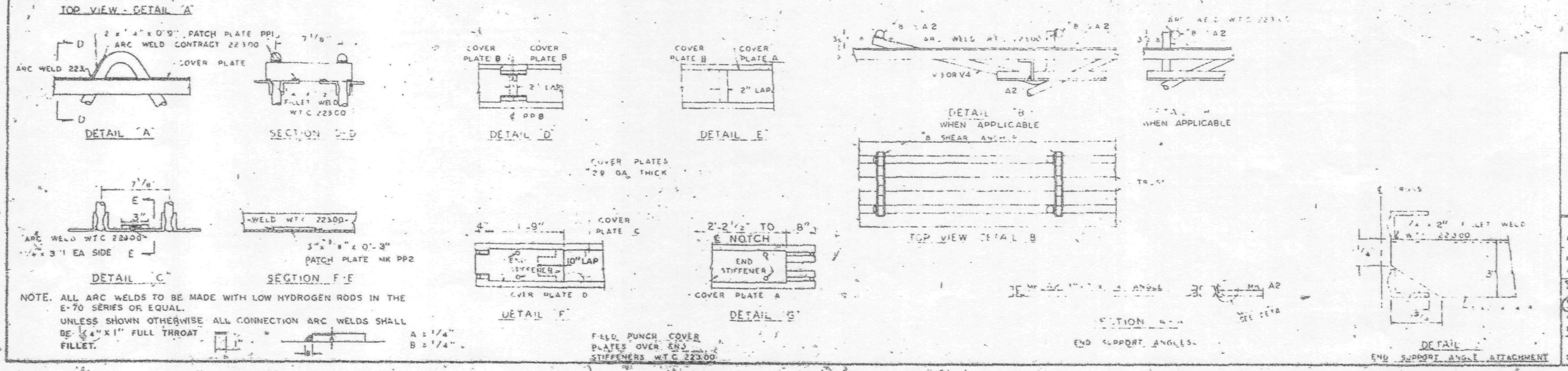
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING





NUMBERS AND LETTERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T.G	4	C32T1G - 58'-11"	ST 201G
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT 212
3 x 2 x 1/4 ANGLE	A2	4	3 x 2 x 1/4 x 5'-9 5/8"	ST 403
	A4	5	3 x 2 x 1/4 x 13'-3"	T 403
DIAGONAL FLATS		4	2 x 3/8 x 6'-8"	ST 402
PATCH PLATES	PP1	12	2 x 1/4 x 0'-9"	ST 400
	PP2	12	3 x 3/8 x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	R.J.P.
1	7-15-68	GENERAL	T.M.C.

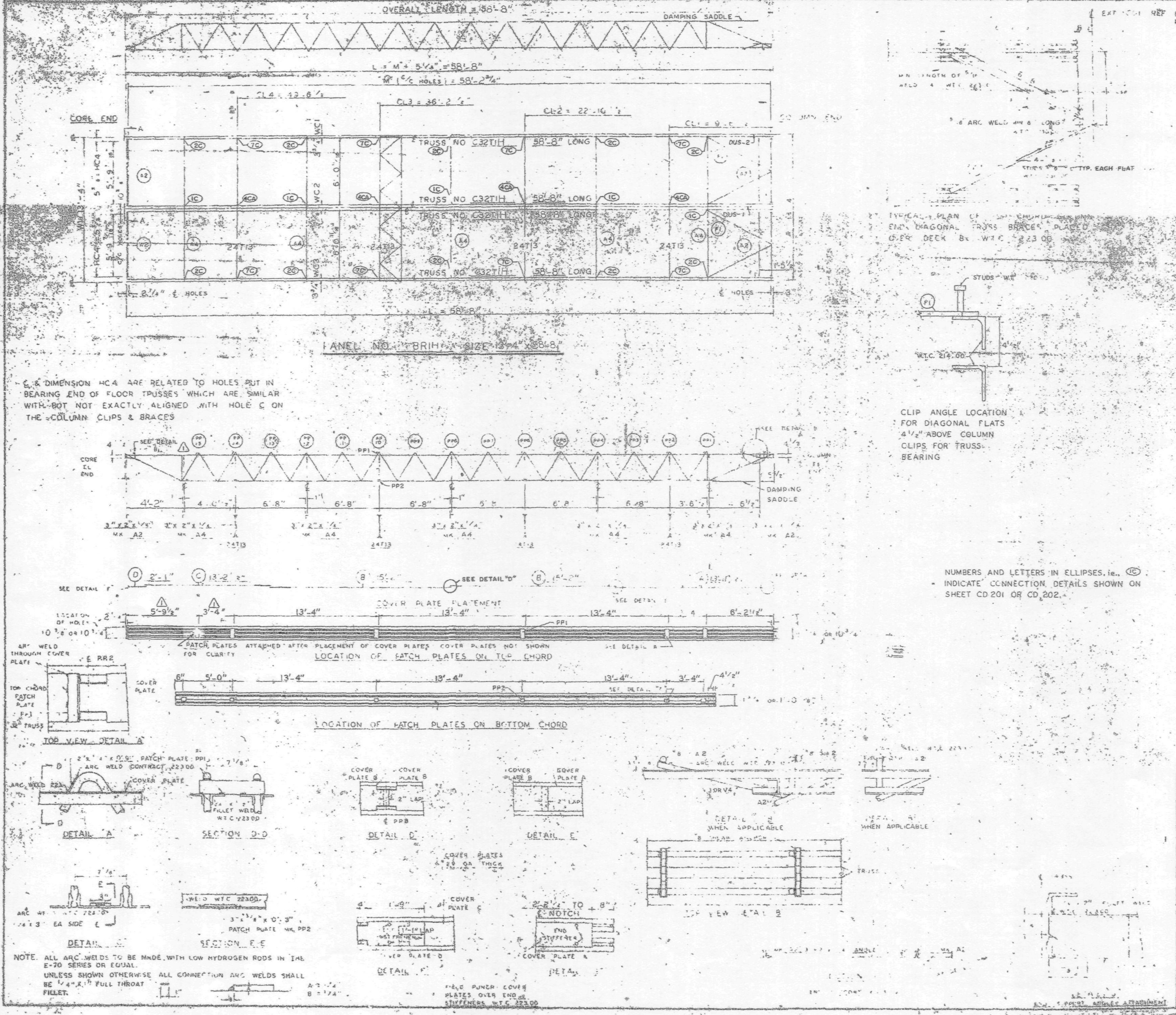
REF DRWG (2)

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-69
7-AB4-42	10-15-68
SA-1124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH)
PANEL ℄BRIG 13'-4" x 58'-11"
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3 6 PLATE
APPROVED FOR FABRICATION James White PNYA — DATE 1/2/70
DRAWN BY — DATE FEB. 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY J.B. PAUL — DATE FEB. 24, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT. NO. WTC 221
SHEET NO. FP BRIG



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	4	C32T1H 58'-[illegible]	ST 20,11
[illegible]	T13	4	[illegible] 13'-3	ST 213
3" x 2" x 1/4" ANGLE	A2	4	[illegible] x 4" x 5 [illegible]	ST 403
	A4	5	3" x 2" x 1/4" x 2'-3"	ST 403
[illegible] PLATES	E	2	[illegible]	ST 402
PATCH PLATES	PP1	12	2" x 4" x 0'-9"	ST 400
	PP2	12	[illegible] x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .035" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CS1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	RJR

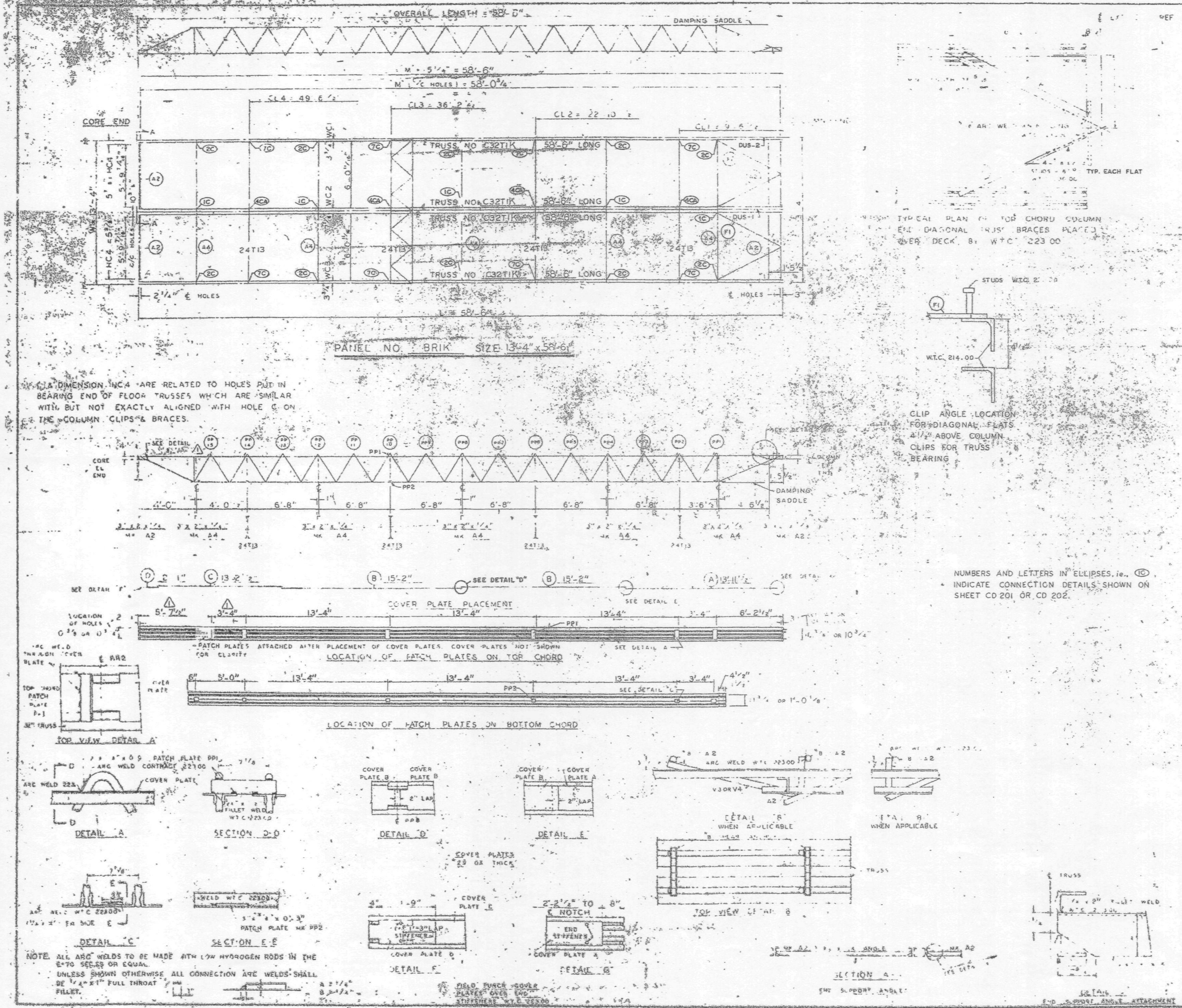
REF DRWG (1)
7-AB4-3 10-15-68
7-AB4-15,16 7-22-68
7-AB4-42 10-15-68
SA-24 1-6-69
7-AB3-2 1-3-68
7-AB1-2 7-22-68
7-AB2-8 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (N)
PANEL BRIH 13'-4" x 58'-8"
BLDG. B FLOORS 79-80 (WEST) (1)

FABRICATED BY LACLEDE STEEL COMPANY
AT MADISON, ILLINOIS

APPROVED FOR FABRICATION James White	DATE 1/2/70	DRAWN BY [illegible] DATE 10-22-68	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.U. CHURA DATE 10-22-68	IN CHARGE OF [illegible]
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-BRIH



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PC	SIZE	
FLOOR TRUSSES	T K	4	32 T K - 58'-6	ST 201K
BRIDGING TRUSSES	T13	4	24 T 13'-3	ST 219
ANGLE	A2	4	[illegible] 4 x 5-1 9/16	ST 403
	A4	5	[illegible] 4 x 13'-3	ST 403
DIAGONAL FLATS	-	4	[illegible] x 6-8	402
PATCH PLATES	PP1	12	2 x [illegible] x 0'-9"	ST 400
	PP2	12	[illegible] x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135 x 15'-2"	ST 303
	C	2	9" x .035" x 13'-2 1/2"	ST 303
	D	2	9" x .035" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#6 SHEAR ANCHOR	SA2	6	#6 REBAR x 0'-9	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	

REF DRWG

7-AB4-2	10-15-68
7-AB4-15	7-22-68
7-AB1-42	10-15-68
SA-4	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46(N) + 45-46(C)

PANEL BRIK

BLDG. B FLOOR 46 (EAST & WEST) 45 (EAST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-61 PLATE

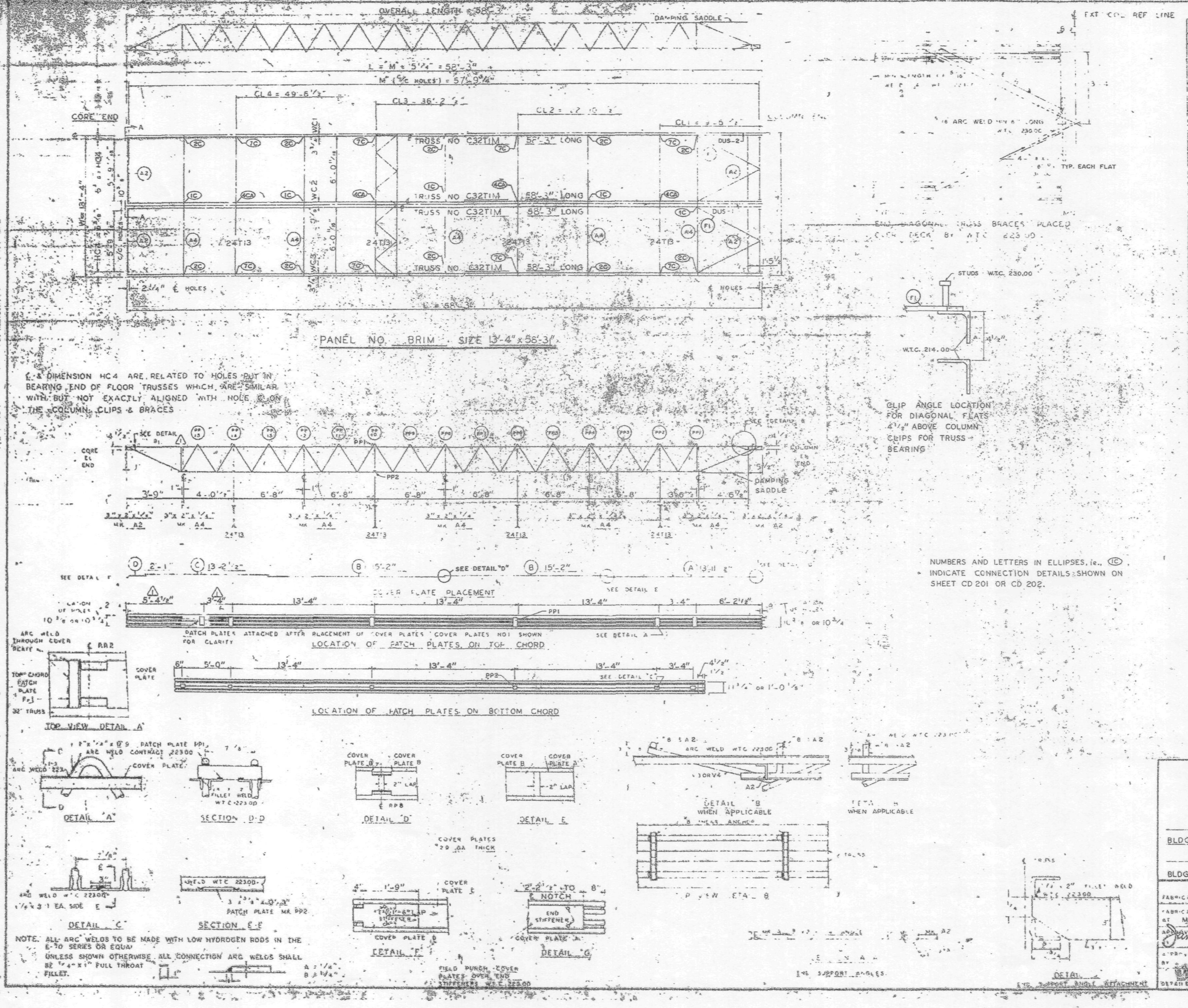
APPROVED FOR FABRICATION James White FOR PNYA DATE 1/2/70

CHECKED BY DATE

IN CHARGE OF

FABRICATION CONT. NO. 221

SHEET NO. BRIK



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]	4	C32TIM- 5[illegible]	ST201
BRIDGING TRUSSES	T3	4	24T 3 - 13 [illegible]	ST213
[illegible] ANGLE	A2	[illegible]	[illegible]	ST403
	A4	5	[illegible] x 13' 3	ST403
DIAGONAL FLATS	[illegible]	4	[illegible] x 6'-8"	ST402
PATCH PLATES	PP1	12	[illegible] x 0'-9"	ST400
	PP2	12	[illegible] x 0' 3"	ST400
COVER PLATES	A	2	9" x 0.135" x 13'-11 1/2"	ST303
	B	4	9" x 0.135" x 15'-2"	ST303
	C	2	9" x 0.135" x 13'-2 1/2"	ST303
	D	2	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3' 6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2 x 3/8" x 3' 6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST400
	P2	6	4 1/2" x .30" x 0'-9"	ST400
	P3	4	4 1/2" x .30" x 1'-0"	ST400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	

REF DRWG	
7-AB2-3	10-15-68
7-AB4-15,16	7-22-68
7-AB4-42	10-15-68
SA-24	1-6-69
7-AB3-2	11-13-68
7-AB1-2	7-22-68
7-AB2-9	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

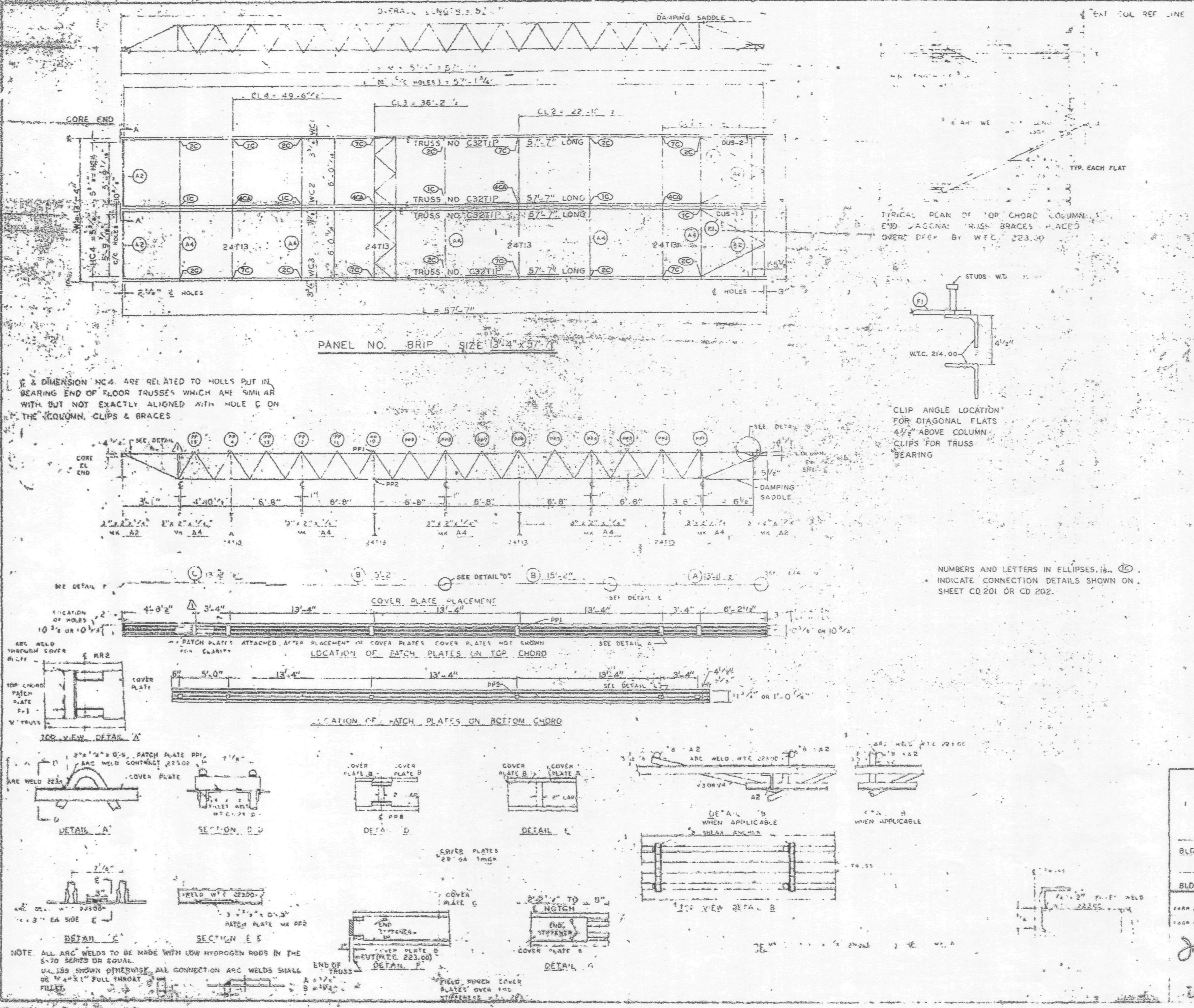
BLDG. A FLOORS 72-73 (N)

PANEL BRIM 13'-4" x 58'-3"

BLDG. B FLOORS 72-73 (WEST) △1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6[illegible] PLATE
APPROVED FOR FABRICATION James White [illegible] DATE [illegible]
DRAWN BY [illegible] DATE [illegible]
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY [illegible] DATE [illegible]
IN CHARGE OF [illegible]
DETAILED BY A.E. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. BRIM



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	1:F	4	C32T1P 57'	ST 201
BRIDGING TRUSSES	T-3	4	24T13 - 13'-3"	ST 213
ANGLE	A2		[illegible]	ST 403
	A4	5	[illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible] x 6'-8	ST 402
PATCH PLATES	PP1	12	[illegible] x 0'-9"	ST 400
	PP2	12	3 x 3/8 x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

1	6-5-69	AS NOTED	
NO.	DATE	REVISION	BY

REF DRWG
7-AB4-3 10-15-68
7-AB4-31-18 9-22-68
7-AB4-42 10-15-68
SA 24 1-6-69
7-AB3-2 1-3-69
7-AB1-2 9-22-68
7-AB2-8 9-22-68

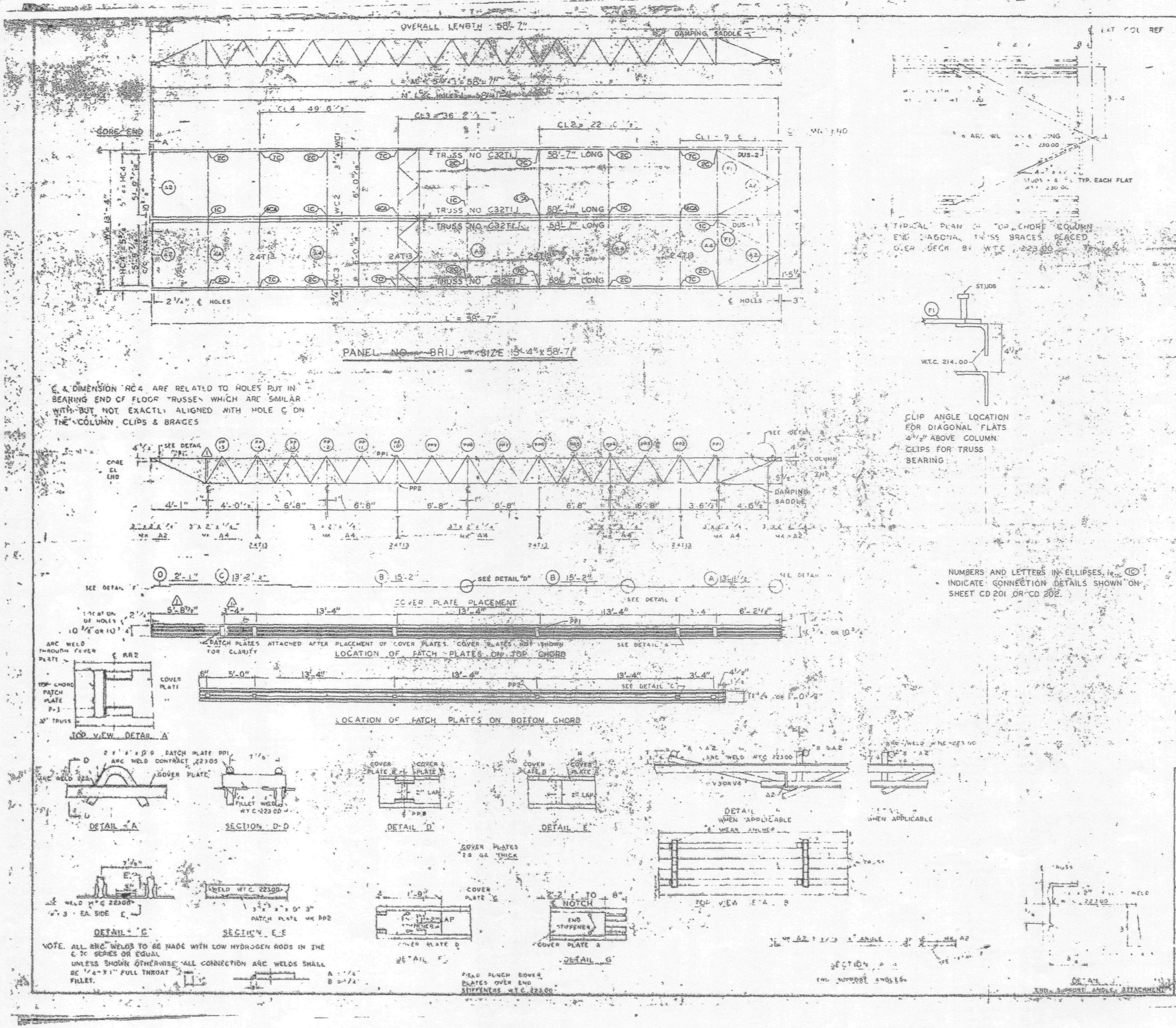
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 74 (N)
PANEL [illegible] x 57'-7"
BLDG B FLOORS 74 (WEST) 1

FABRICATED BY LACLEDE STEEL COMPANY

James White 1/2/70

SHEET
[illegible]



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1	4	C32T1 5-[illegible]	ST 201
[illegible] TRUSSES	T-3	4	24T-3 13' 3"	ST 219
[illegible] ANGLE	A2	4	3 [illegible] x 5'-[illegible]	ST 403
	A4	5	[illegible] x 13'-3"	ST 403
DIAGONAL FLATS	[illegible]	4	[illegible] x 6'-8"	[illegible] 402
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	[illegible] x 0'-3"	[illegible] 400
COVER PLATES	A	2	9" x 0.135" x 13'-11½"	ST303
	B	4	9" x .0135 x 15'-2"	ST303
	C	2	9" x 0.135" x 13'-2½"	ST303
	D	2	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST290
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	4	4½" x .30" x 0'-0"	ST 400
	P3	4	4½" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-3-69	AS NOTED	R.J.P.

REF DRWG

7-AB4-3	10-15-68
7-AB4-12,15	7-22-68
7-AB4-42	10-15-68
SA 12A	3-6-69
7-AB3-2 (1)	1-3-69
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40 (N)

PANEL [illegible] x 58'-7"

BLDG. B FLOORS 40 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. [illegible] PLATE

James White [signature] DATE 1/2/70

DRAWN BY [illegible] DATE [illegible]

APPROVED FOR FABRICATION FOR FABRICATOR — DATE

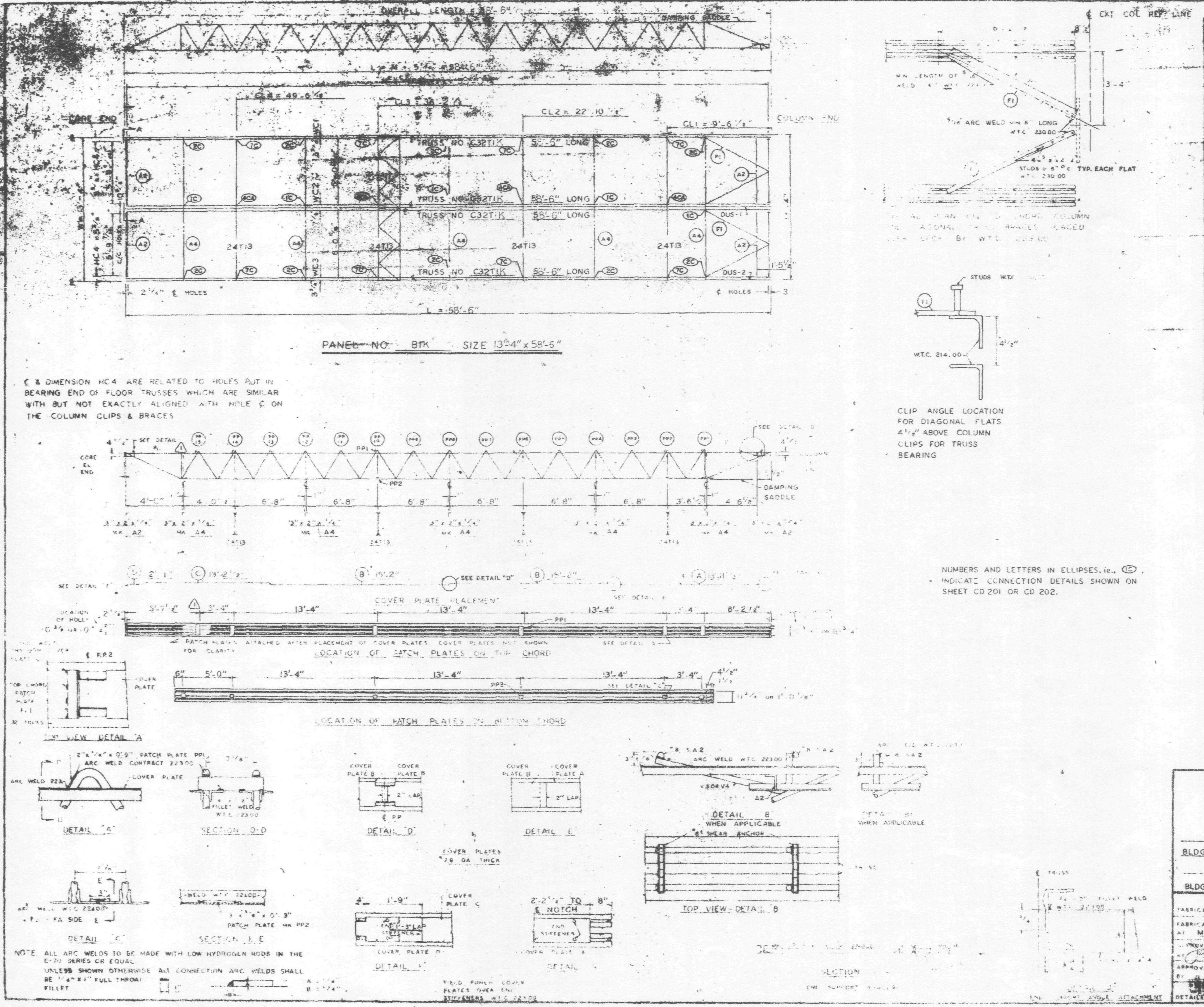
CHECKED BY [illegible] DATE [illegible] IN CHARGE OF [illegible]

[illegible] STEEL CO.

DETAILED BY A. C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-81



REQUIRED MATERIAL LIST				
MATERIAL	[illegible]			
FLOOR TRUSSES	T1	4	[illegible]	
	[illegible]			
BRIDGING TRUSSES	[illegible]	4	[illegible]	[illegible]
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4" [illegible]	[illegible]
	A4	5	3"x2"x1/4" [illegible]	[illegible]
DIAGONAL FLATS	F1	4	1 1/2"x [illegible] x 8'-8"	[illegible]
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x [illegible] 11 1/2	ST 303
	B	4	9"x.0135"x15'-2"	ST 303
	C	2	9"x.0135"x13'-2 1/2	ST 303
	D	2	9"x.0135"x2'-1"	ST 303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8 [illegible]	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	G.C.

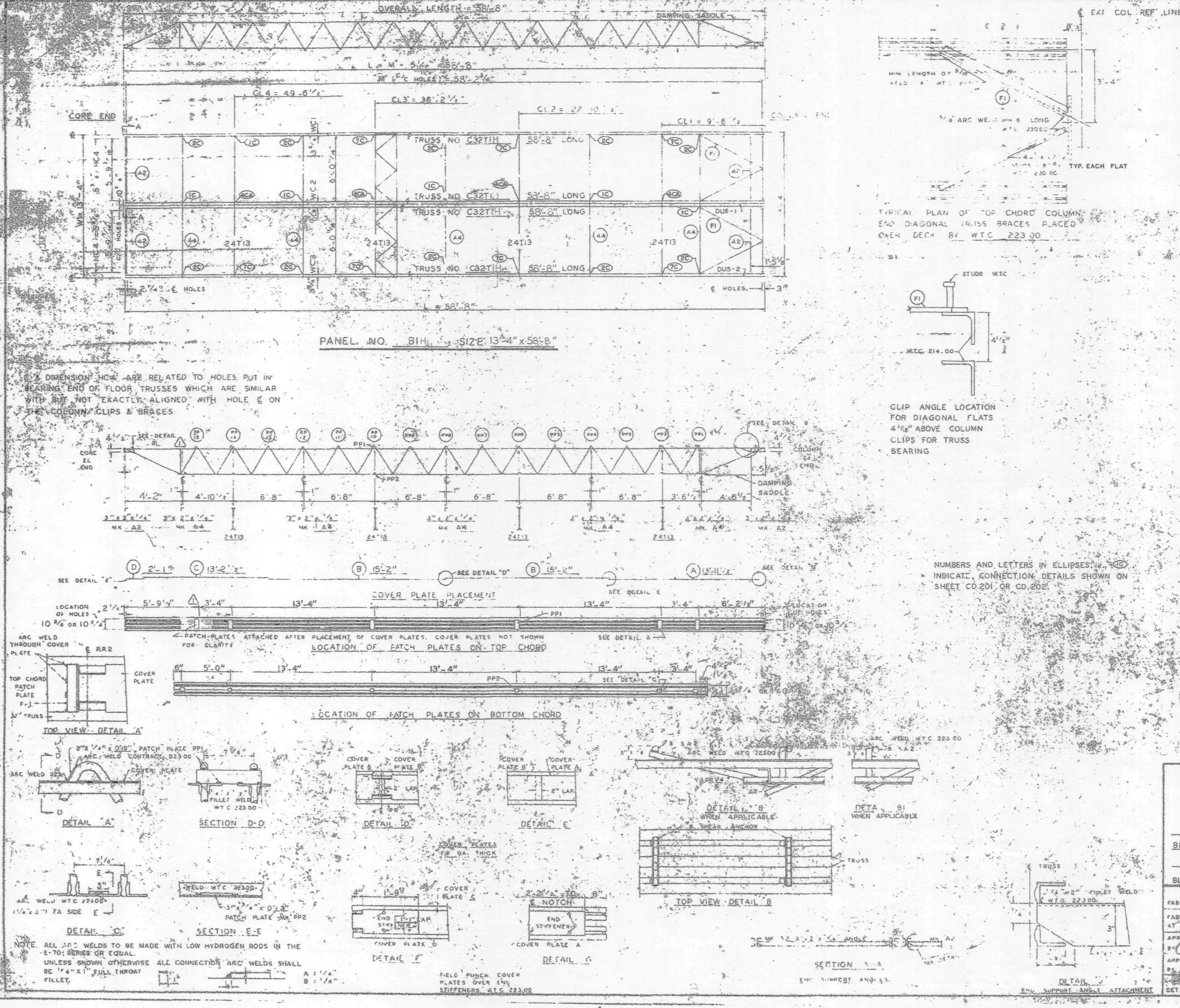
REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-66
7-AB2-8	7-22-66

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-46(S) + 46(N)
PANEL B1K 13'-4" x 58'-6"
BLDG. B FLOORS 45-46 (EAST) 46 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3-5
APPROVED FOR FABRICATION BY [illegible] DATE [illegible]
DRAWN BY [illegible] DATE [illegible] 1968
APPROVED FOR FABRICATION BY [illegible] DATE
CHECKED BY [illegible] DATE [illegible] 1968
IN CHARGE OF [illegible]
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼" x 1" FULL THROAT FILLET.

NUMBERS AND LETTERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL

MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1H	4	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x¼" ANGLE	A2	4	3"x2"x¼"x5'-11 9/16"	ST403
	A4	5	3"x2"x¼"x13'-3"	ST403
DIAGONAL FLATS	F1	4	1½"x ⅜"x5'-8	ST402
PATCH PLATES	PP1	12	2"x¼"x0'-9"	ST400
	PP2	12	3"x⅜"x0'-3"	ST400
COVER PLATES	A	2	9"x.0135"x13'-11½"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2½"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1½"x¼"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½"x3½"x⅜"x3'-6⅞"	ST298
	DUS-2	1	3½"x3½"x⅜"x3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½"x⅜"x6½"	ST 400
	P2	4	4½"x.39"x0'-9"	ST 400
	P3	44	4½"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	

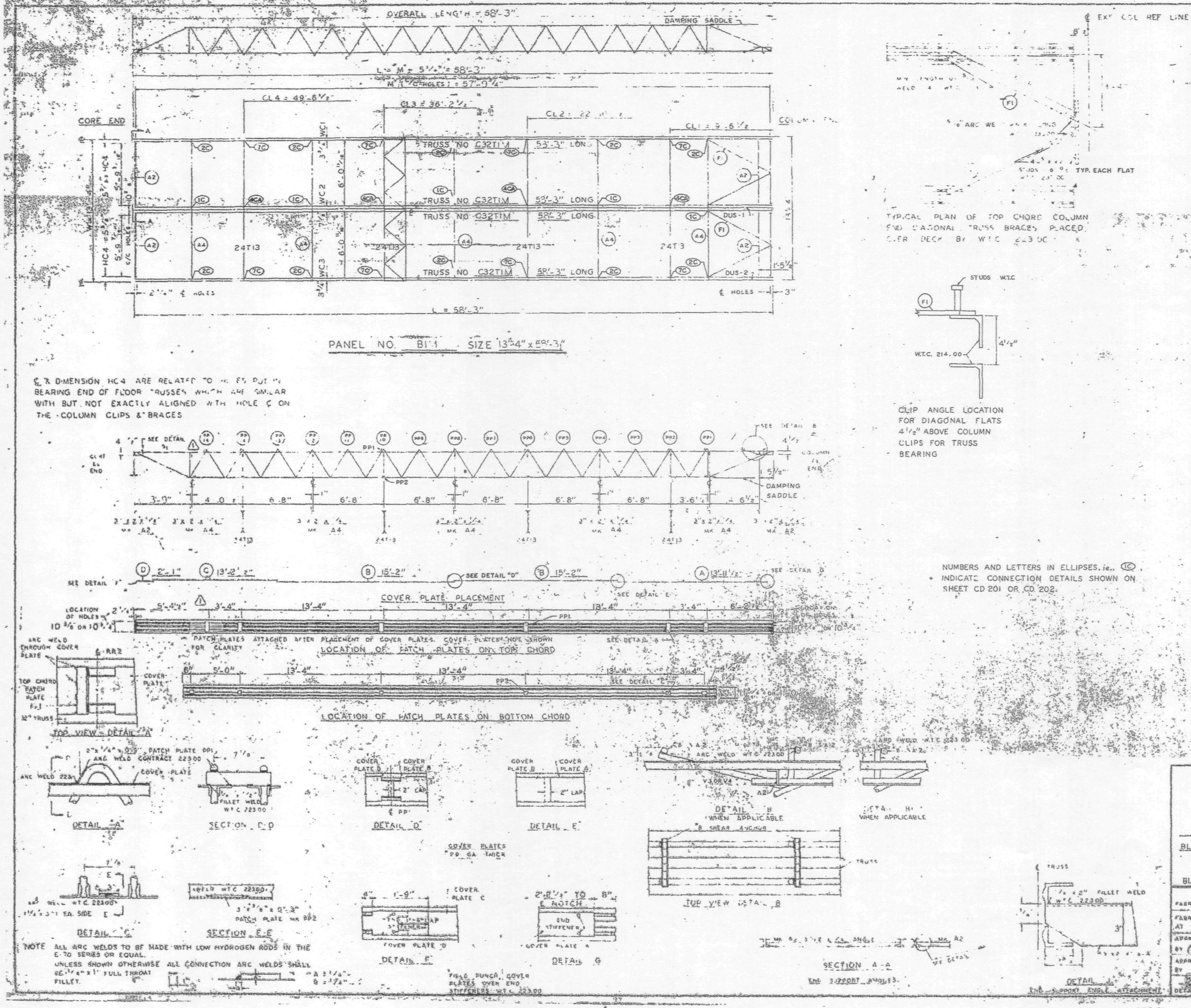
REF. DRWG.

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA 124	1-6-69
7-AB3-2	1-30-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (N)
PANEL B1H 13'-4" x 58'-8"
BLDG. B FLOORS 79-80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3-5
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 1/3/70
DRAWN BY
DATE
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY
DATE
DETAILED BY A.C. KASER
FABRICATION CONT. NO. W.T.C. 221
SHEET FP B1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1M	4	C32T1M - 58'-3"	ST 201M
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT 218
3" x 2" x ¼ ANGLE	A2	4	[illegible]	ST 403
	A4	5	[illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible]	ST 402
PATCH PLATES	PP1	12	[illegible]	ST 401
	PP2	12	[illegible]	[illegible]
COVER PLATES	A	2	9" x 0.35' x 13'-1½"	ST 303
	B	4	9" x 0.135 x 15'-2"	ST 303
	C	2	9" x 0.135" x 13'-2½"	ST 303
	D	2	9" x 0.135 x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x [illegible]	ST 400
DAMPING SADDLE	DUS-1	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3½" x ⅜" x 6½"	ST 400
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	4	4½" x .30" x 1'-0"	ST 400

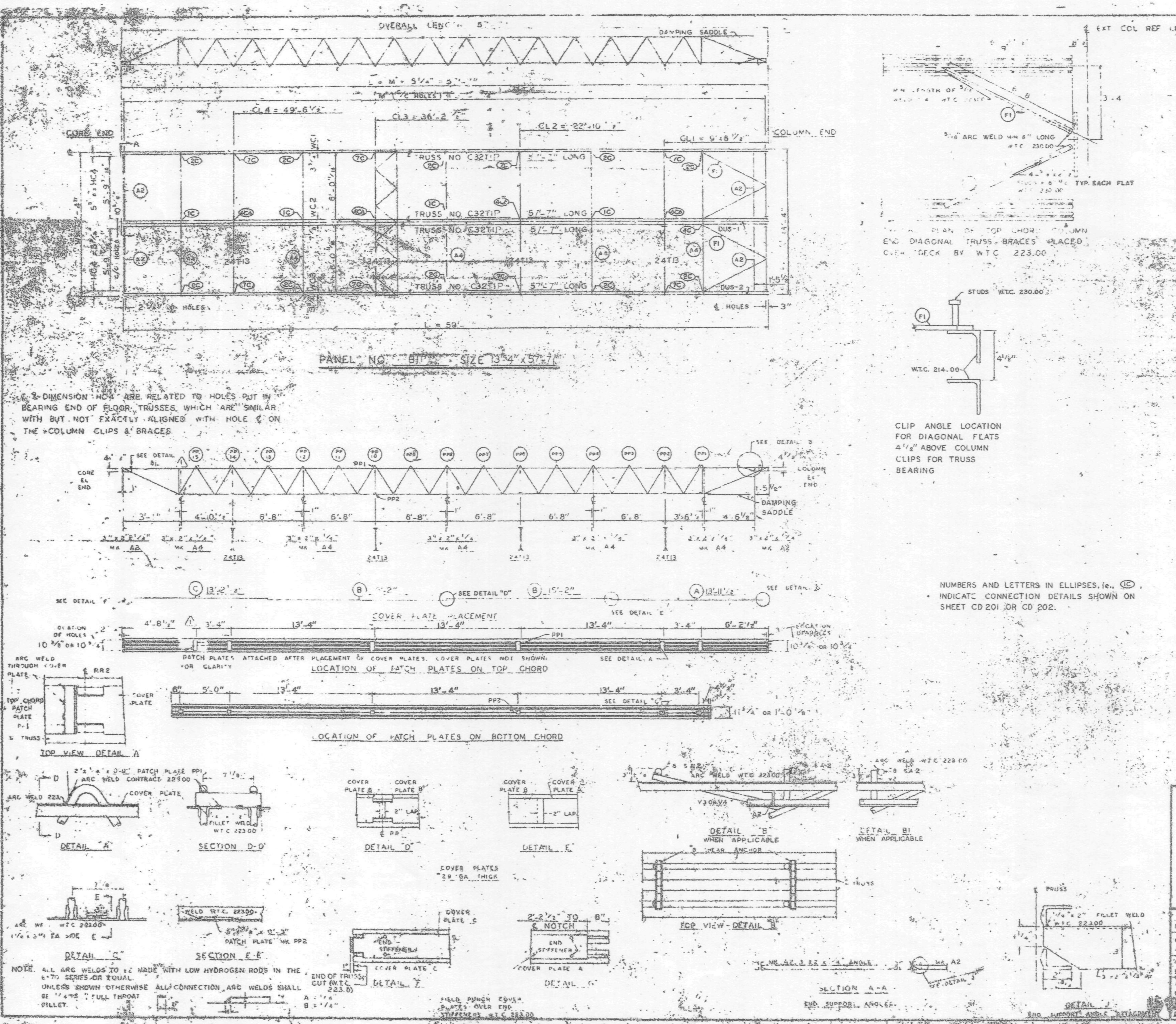
NO.	DATE	REVISION
1	6-4-69	AS NOTED

REF. DRWG: 7-AB... 10-13-68; ... 7-22-68; ... 10-16-68; SA ... 1-6-69; 7-AB1-2 ... 10-31-68; 7-AB1-2 ... 7-22-68; ... 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 [illegible]
PANEL B1M [illegible]
BLDG B FLOORS 72-73 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3 [illegible]
APPROVED FOR FABRICATION BY [signature] FOR [illegible] DATE [illegible]
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
DRAWN BY [illegible] DATE [illegible] 1968
CHECKED BY [illegible] DATE [illegible] 1968
FABRICATION CONT. NO. [illegible]



REQUIRED MATERIAL FOR PANEL				
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T	4	C32T	[illegible]
BRIDGING TRUSSES	T	4	24T13	[illegible]
3 x 2 x 1/4 ANGLE	A2	4	3" x 2" x 1/4" x 5	ST 400
	A4	5	3" x 2" x 1/4" x 3'	ST 400
DIAGONAL PLATE	F1	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	12	2" x 1/4" x 0'-5"	ST 400
	PP2	12	[illegible]	[illegible]
COVER PLATES	A	2	9" x .0135 x 3'-11 1/2"	[illegible]
	B	[illegible]	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	[illegible]	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2		#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	ST 298
	DUS-2	1	[illegible]	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

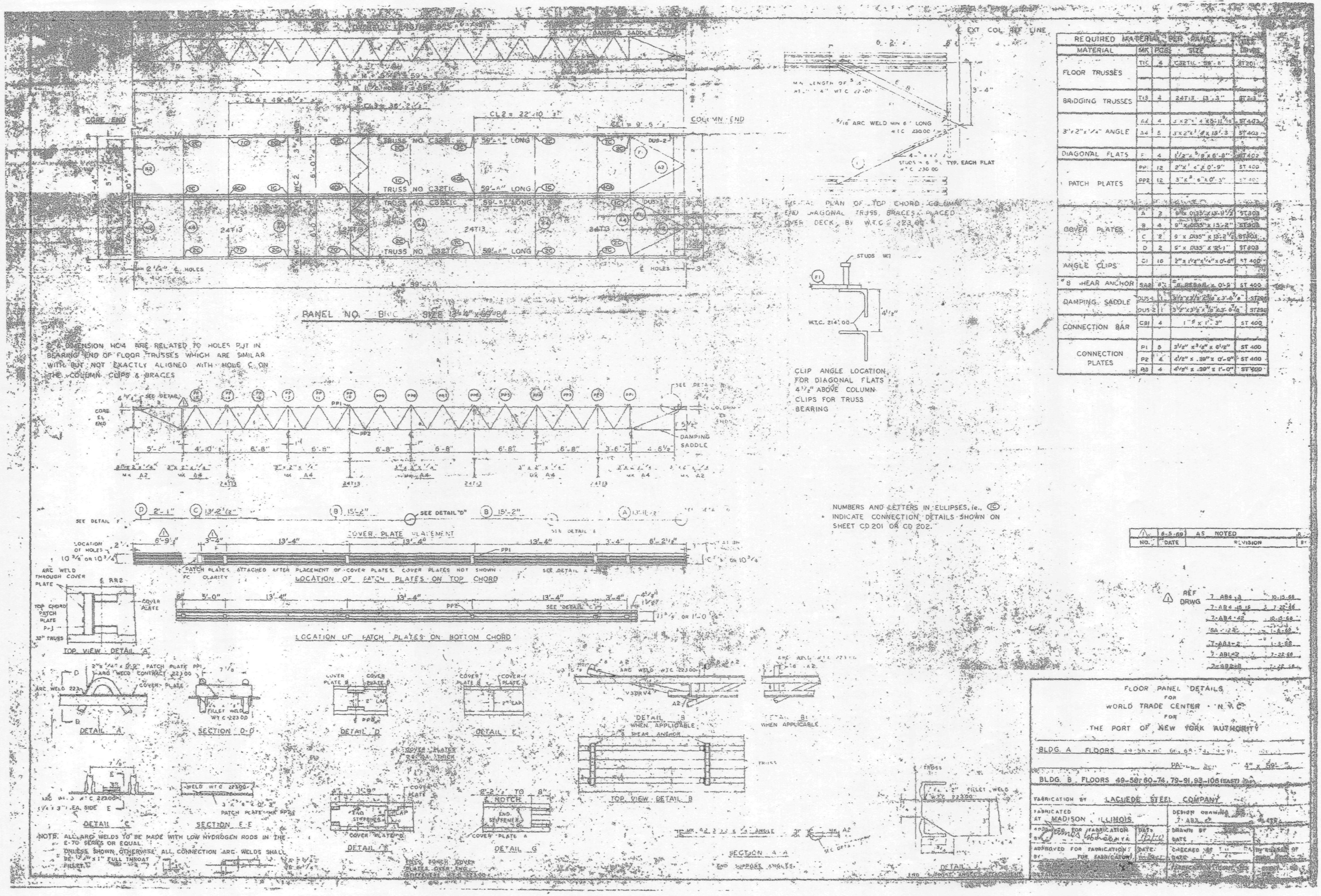
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS

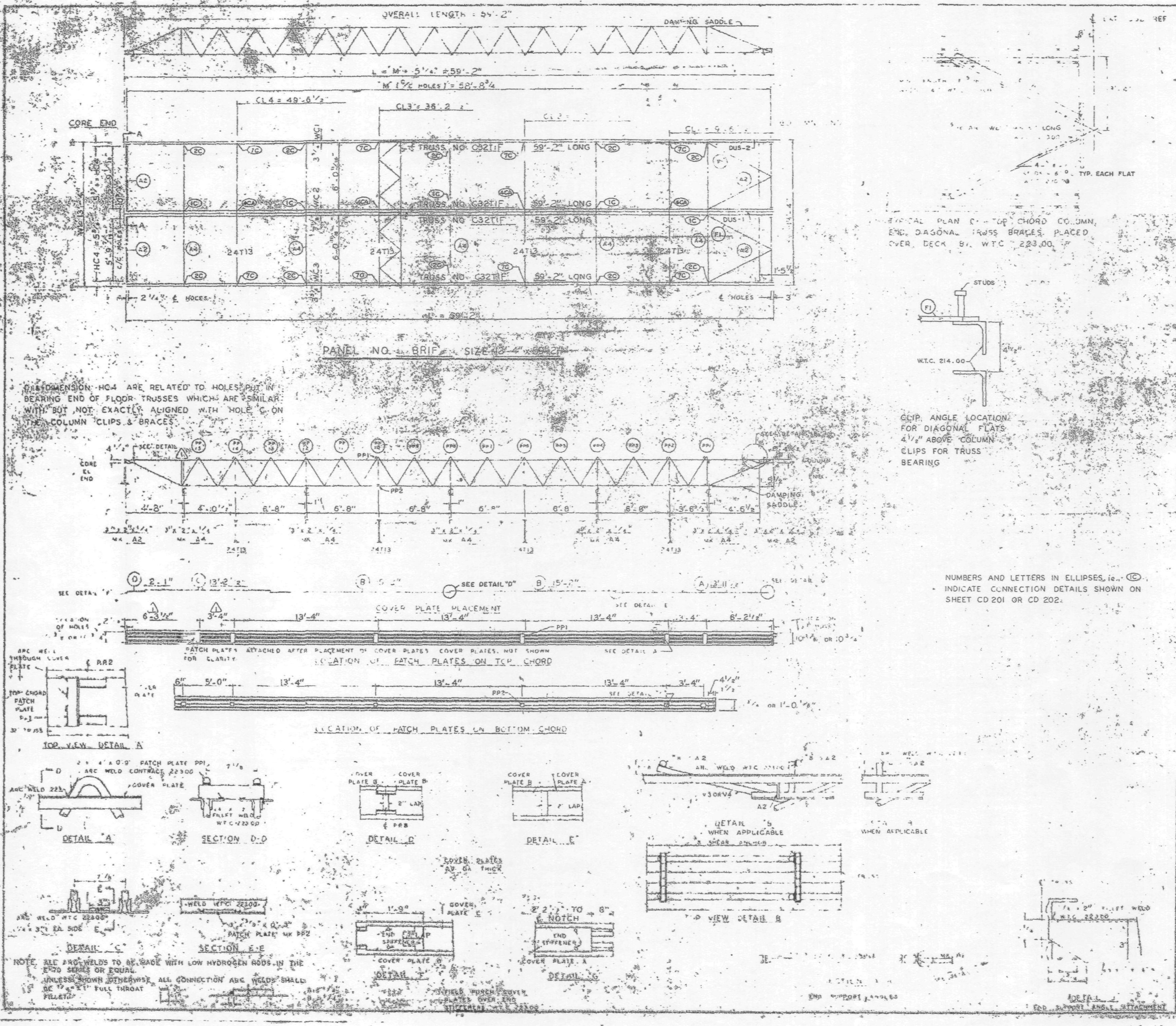
PANEL B1

BLDG. B FLOORS 74 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7 AB3 5
APPROVED FOR FABRICATION BY ... PONYA DATE
DRAWN BY
APPROVED FOR FABRICATION BY ... FABRICATOR DATE
CHECKED BY DATE 1968
FABRICATION CLASS
DETAILED BY



DAMPING SADDLE
EXT COL REF LINE
CORE END
COLUMN END
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-5 1/2"
TRUSS NO. C32T1C 59'-4" LONG
24T13
DUS-2
PANEL NO. B11C SIZE 13'-4" x 59'-8"
E & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS, BRACES PLACED OVER DECK BY W.T.C. 223.00
5/16" ARC WELD MIN 6" LONG W.T.C. 230.00
STUDS W.T.
W.T.C. 214'.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
REQUIRED MATERIAL PER PANEL
MATERIAL | MK | PCS | SIZE | DRWG
FLOOR TRUSSES | T1C | 4 | C32T1C 59'-8" | ST 201
BRIDGING TRUSSES | T13 | 4 | 24T13 13'-3" | ST 213
3"x2"x1/4" ANGLE | A2 | 4 | 3x2x1/4 x 4'-11 | ST 403
3"x2"x1/4" ANGLE | A4 | 5 | 3x2x1/4 x 13'-3 | ST 403
DIAGONAL FLATS | F | 4 | 1 1/2 x 3/8 x 6'-8" | ST 402
PATCH PLATES | PP1 | 12 | 2"x1/4"x 0'-9" | ST 400
PATCH PLATES | PP2 | 12 | 3"x 0'-3" | ST 400
COVER PLATES | A | 2 | 9" x 0135" x 13'-9 1/2" | ST 303
COVER PLATES | B | 4 | 9" x 0135" x 15'-2" | ST 303
COVER PLATES | C | 2 | 9" x 0135" x 13'-2 1/2" | ST 303
COVER PLATES | D | 2 | 9" x 0135" x 2'-1" | ST 303
ANGLE CLIPS | C1 | 16 | 2" x 1 1/2" x 1/4" x 0'-6" | ST 400
#8 SHEAR ANCHOR | SA8 | 8 | #8 REBAR x 0'-5" | ST 400
DAMPING SADDLE | DUS-1 | 1 | | ST 298
DAMPING SADDLE | DUS-2 | 1 | | ST 298
CONNECTION BAR | CB1 | 4 | 1" x 1'-3" | ST 400
CONNECTION PLATES | P1 | 5 | 3 1/2" x 3/8" x 6 1/8" | ST 400
CONNECTION PLATES | P2 | 4 | 4 1/2" x .39" x 0'-9" | ST 400
CONNECTION PLATES | P3 | 4 | 4 1/2" x .39" x 1'-0" | ST 400
CORE EL END
DAMPING SADDLE
5'-2" 4'-10" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 3'-6 1/2"
SEE DETAIL "D"
COVER PLATE PLACEMENT
NUMBERS AND LETTERS IN ELLIPSES, i.e., (C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
6-5-69 AS NOTED
NO. DATE REVISION
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
REF DRWG
TOP VIEW DETAIL A
DETAIL A
SECTION D-D
DETAIL D
DETAIL E
DETAIL B WHEN APPLICABLE
DETAIL B1 WHEN APPLICABLE
TOP VIEW DETAIL B
DETAIL C
SECTION E-E
DETAIL F
DETAIL G
SECTION A-A END SUPPORT ANGLES
DETAIL J
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 49-58, 60-74, 79-91, 93-106 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST 201
BRIDGING TRUSSES	T-3	4	24T13 13'-3"	BT 2 3
3" x 2" x 1/4 ANGLE	A2	4	3" x 2" x 1/4 x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST 403
DIAGONAL FLATS	F	4	1 1/2" x 5/8 x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 5/8 x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 299
	DUS-2	1	3 1/2" x 5" x 3/8" x 3'-6 7/8"	ST 299
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NUMBERS AND LETTERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NO.	DATE	REVISION
1	6-5-69	AS NOTED

REF DRWG
- 7 AB3-3 — 10-13-69
- AB4-42 — 10-13-68
- SB 24 — 1-6-69
- 7 AB3-2 — 1-3-68
- 7 AB-2 — 7-22-68
- 7 AB2-8 — 7-22-66

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48, 70-71 + 47-48

3'-4" x 59'-2"

BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3-

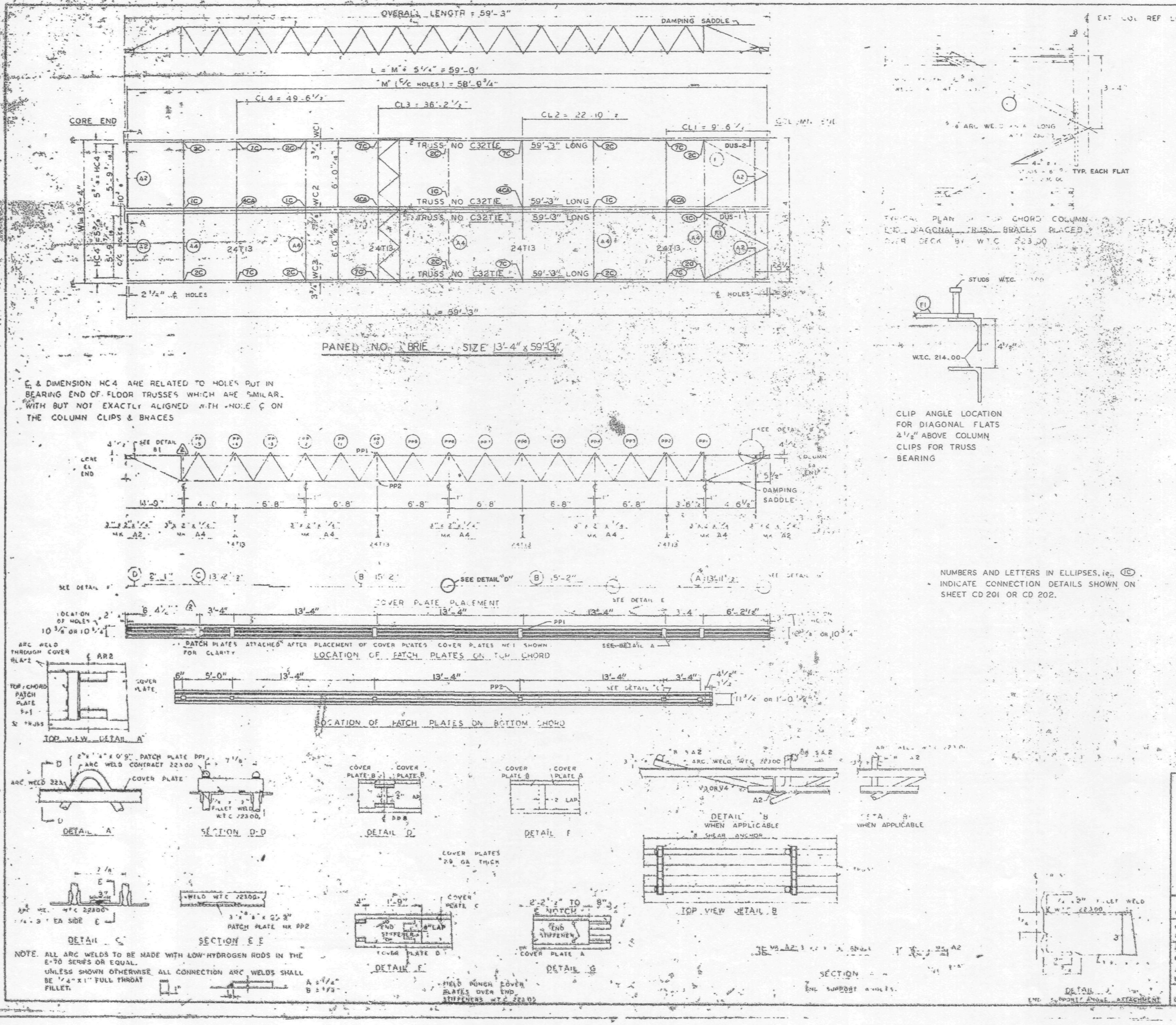
APPROVED FOR FABRICATION BY P.O.N.Y.A. DATE

APPROVED FOR FABRICATION BY

DRAWN BY / DATE

CHECKED BY / DATE

DETAILED BY



REQUIRED MATERIAL PER PANEL				SEE DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T.E	4	C32T1E - 59'-3"	ST201D
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2	ST303
	B	4	9"x .0135" x 15'-2	ST303
	C	2	9"x .0135" x 13'-2 1/2	ST303
	D	2	9"x .0135" x 2'-1"	ST303.1
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	R.A.P.
1	7-15-68	GENERAL	T.M.C.

REF DRWG (2)

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA 24	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (SOUTH)

PANEL B3IF ___ x 59'-___

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB2-6 PLATE ___

APPROVED FOR FABRICATION BY ___ DATE ___

DRAWN BY ___ DATE FEB. 24, 1968

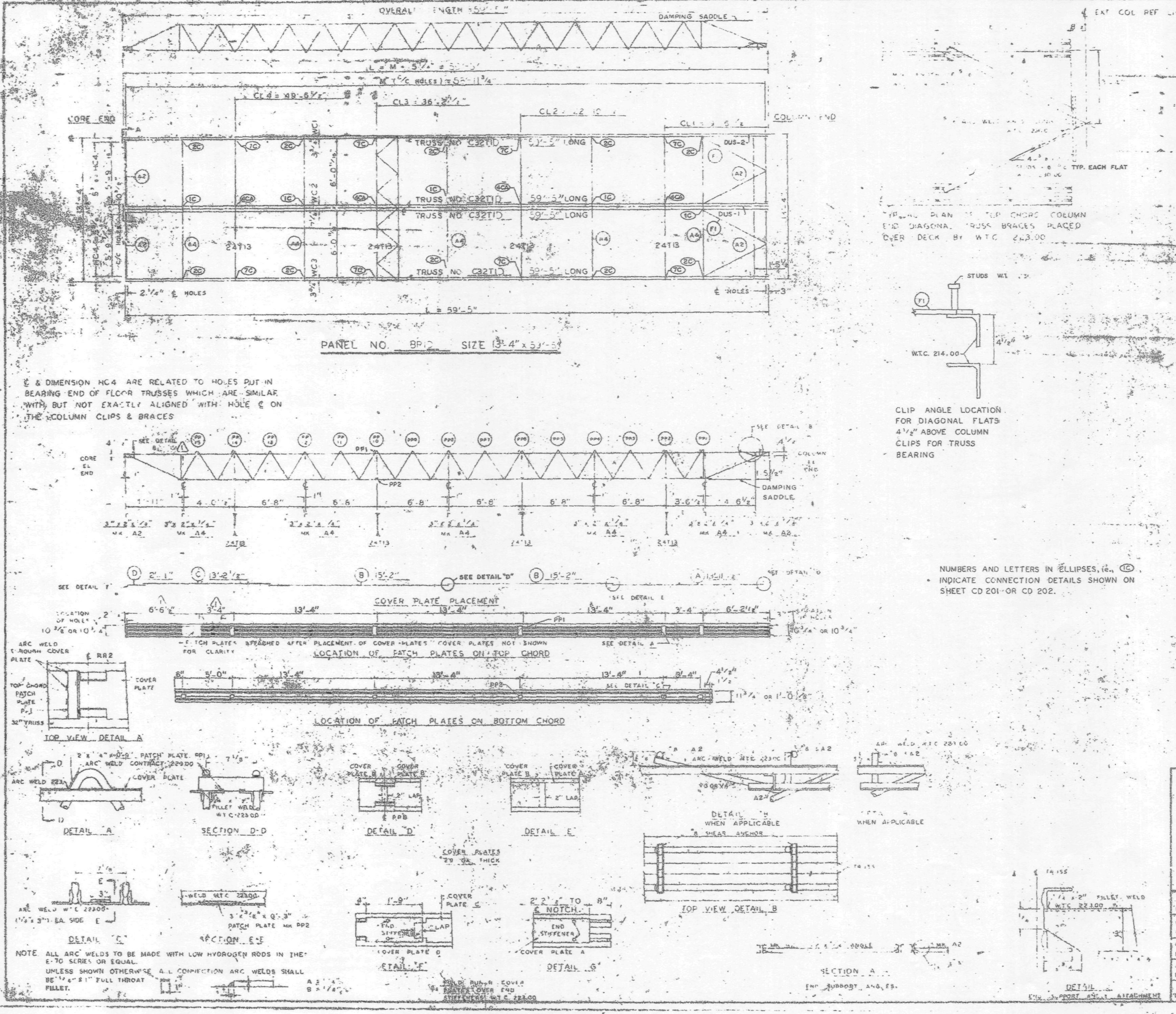
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE ___

CHECKED BY J.R.PAIS DATE FEB. 24, 1968

IN CHARGE OF ___

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. ___



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" & 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	4	C32T1 · 59'-5"	ST 205
BRIDGING TRUSSES	T1	4	24T13 · 13'-4"	ST 213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-5 9/16"	ST 400
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 400
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-6"	ST 400
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11"	ST 209
	B	4	[illegible]	[illegible]
	C	2	[illegible]	[illegible]
	D	2	9" x .0135" x 2'-1"	ST 209
ANGLE CLIPS	CL	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 2'-9 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

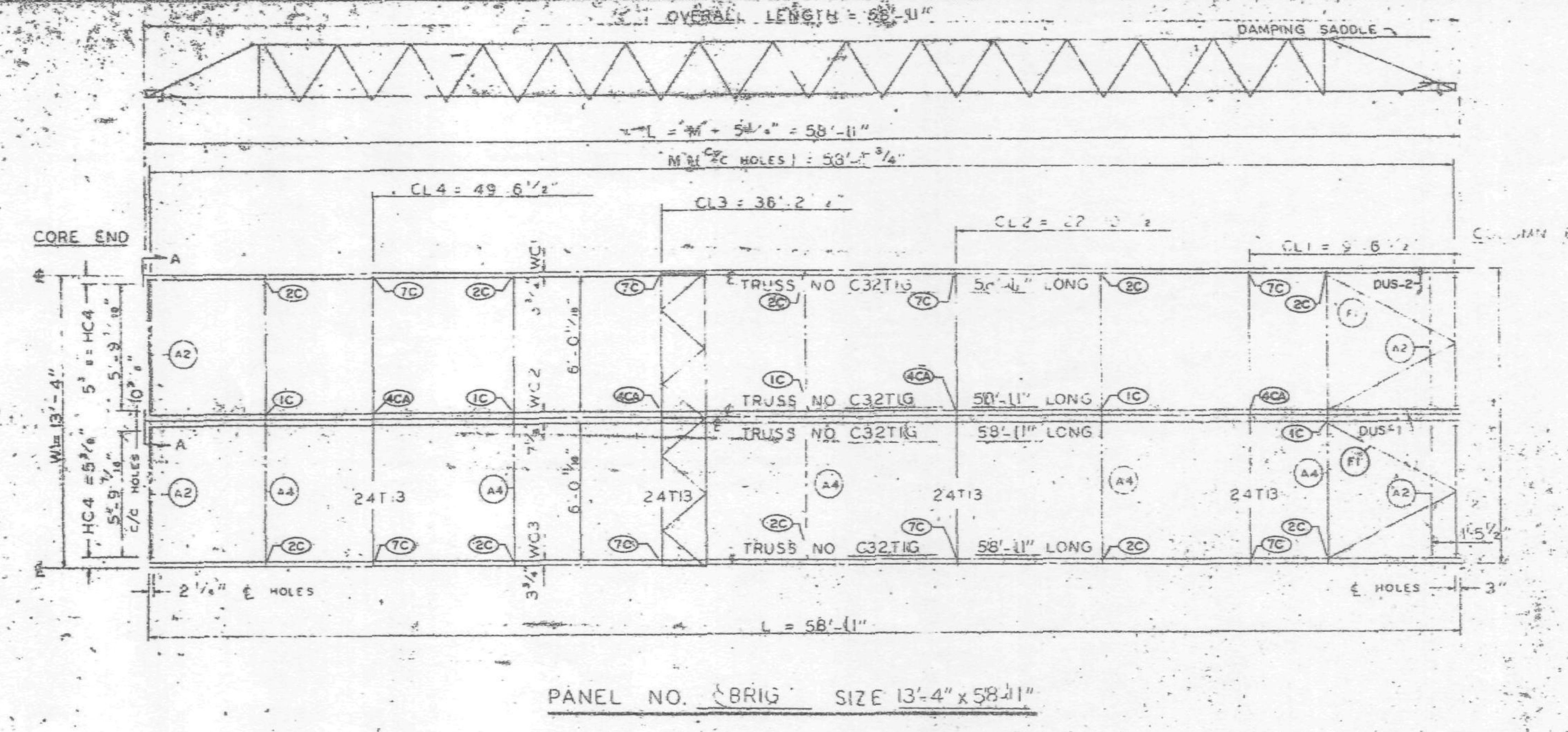
NO.	DATE	REVISION
1	6-5-69	AS NOTED

⚠1 REF DRWG
7-AB4-3.3 — 4-15-69
7-AB4-1 — 1-6-69
7-AB4-82 — 1-8-69
SA 124 — 1-6-69
7-A83-2 — 1-3-69
7-A6-4 — 1-6-68
7-A96-8 — 3-22-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

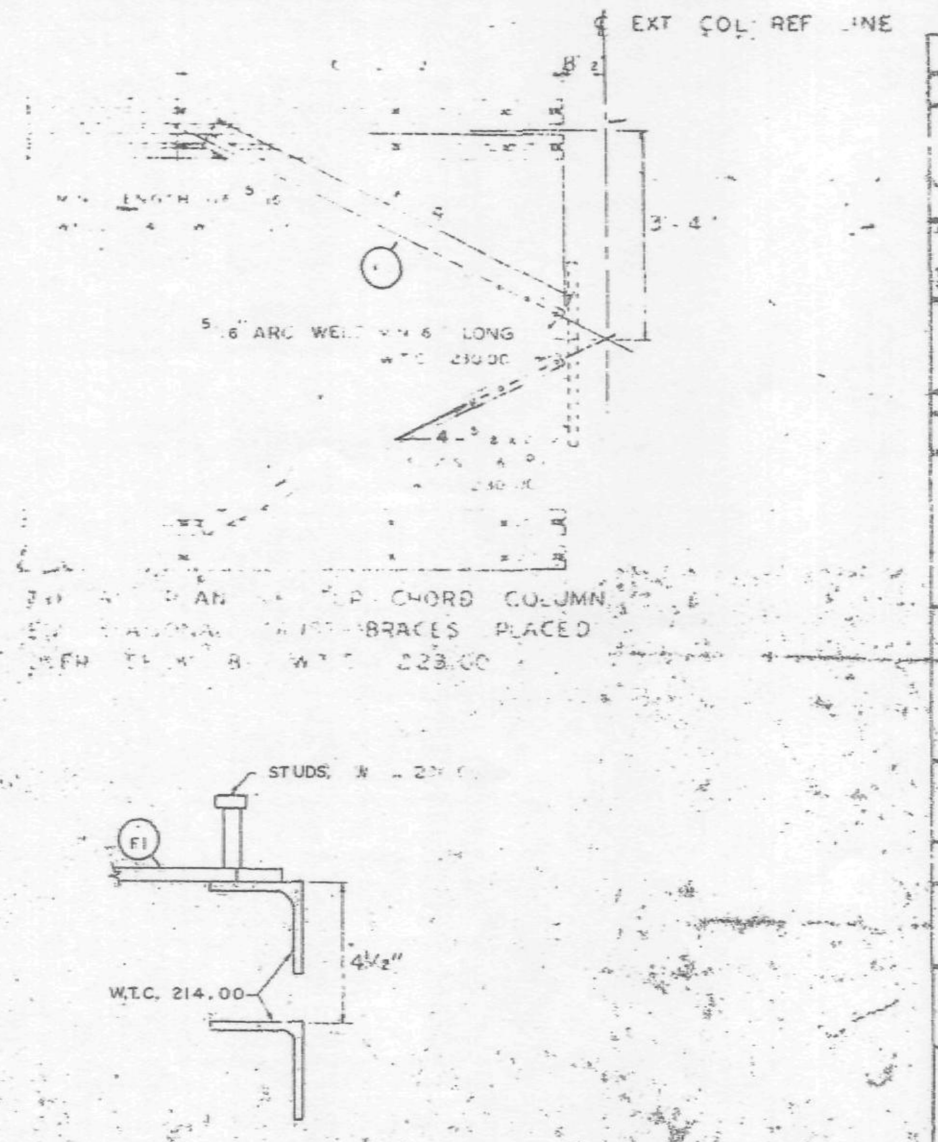
BLDG. A FLOORS
PANEL BP 4" x 59'-5"
BLDG. B FLOORS 81-82 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY	
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING 7-AB3-6 PLATE
APPROVED FOR FABRICATION BY — FOR P.N.Y.A. DATE 1/3/70	DRAWN BY DATE
APPROVED FOR FABRICATION BY — FOR FABRICATOR DATE	CHECKED BY DATE
DETAILED BY: A.C. WEBER	FABRICATION W.T.C.



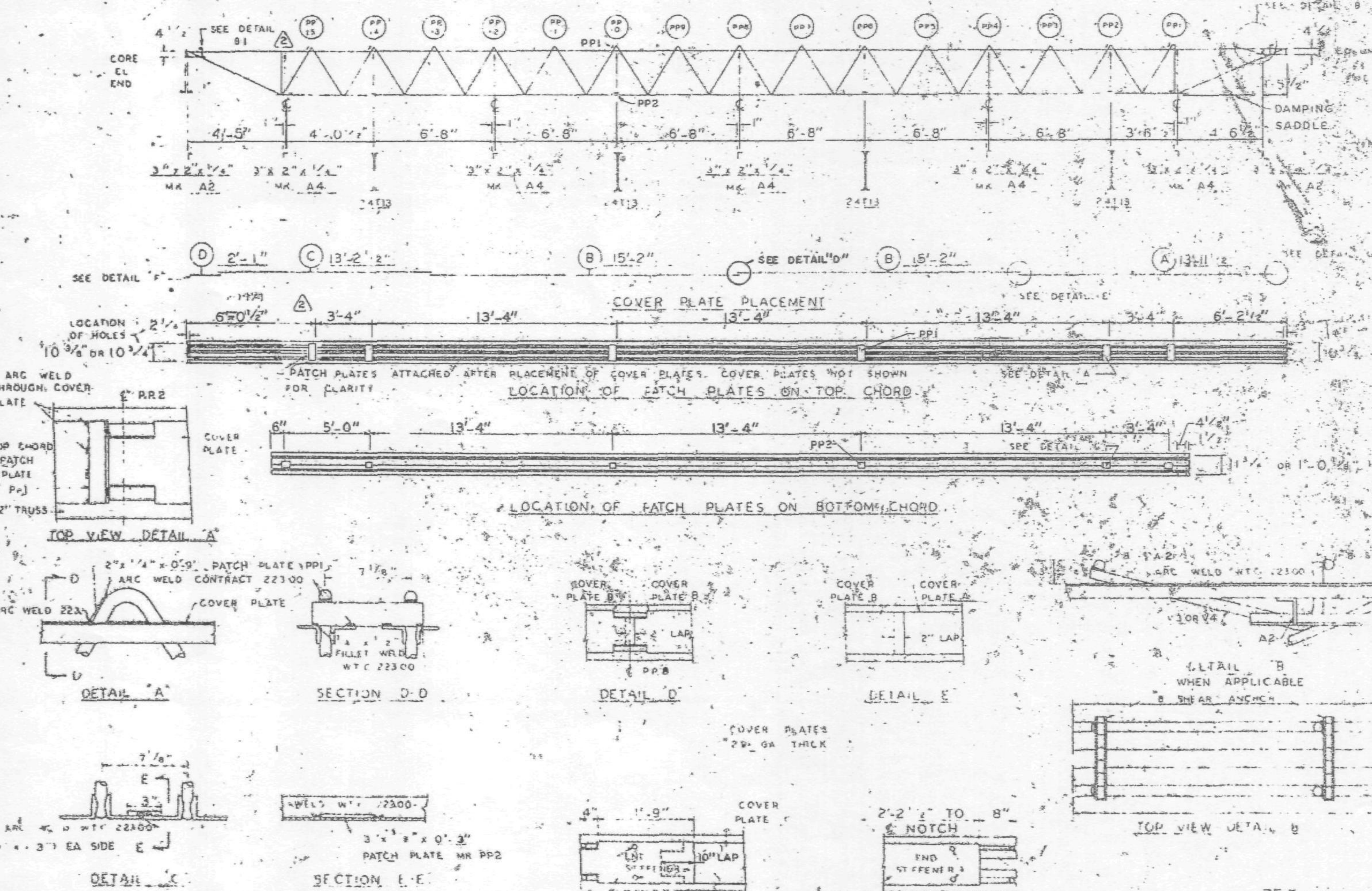
PANEL NO. CBRIG SIZE 13'-4" x 58'-11"

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T16	4	C32T16 - 58'-11"	ST 201G
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3"x2"x¼" ANGLE	A2	4	3"x2"x¼"x5'-11 9/16"	ST 403
	A4	5	3"x2"x¼ x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1½"x5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	12	2"x¼"x 0'-9"	ST 400
	PP2	12	3"x3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11½"	ST 303
	B	4	9"x.0135"x 15'-2"	ST 303
	C	2	9"x.0135"x 13'-2½"	ST 303
	D	2	9"x.0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2"x1½"x¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½"x3½"x3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3½"x3½"x3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½" x 3/8" x 6½"	ST 400
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	4	4½" x .30" x 1'-0"	ST 400

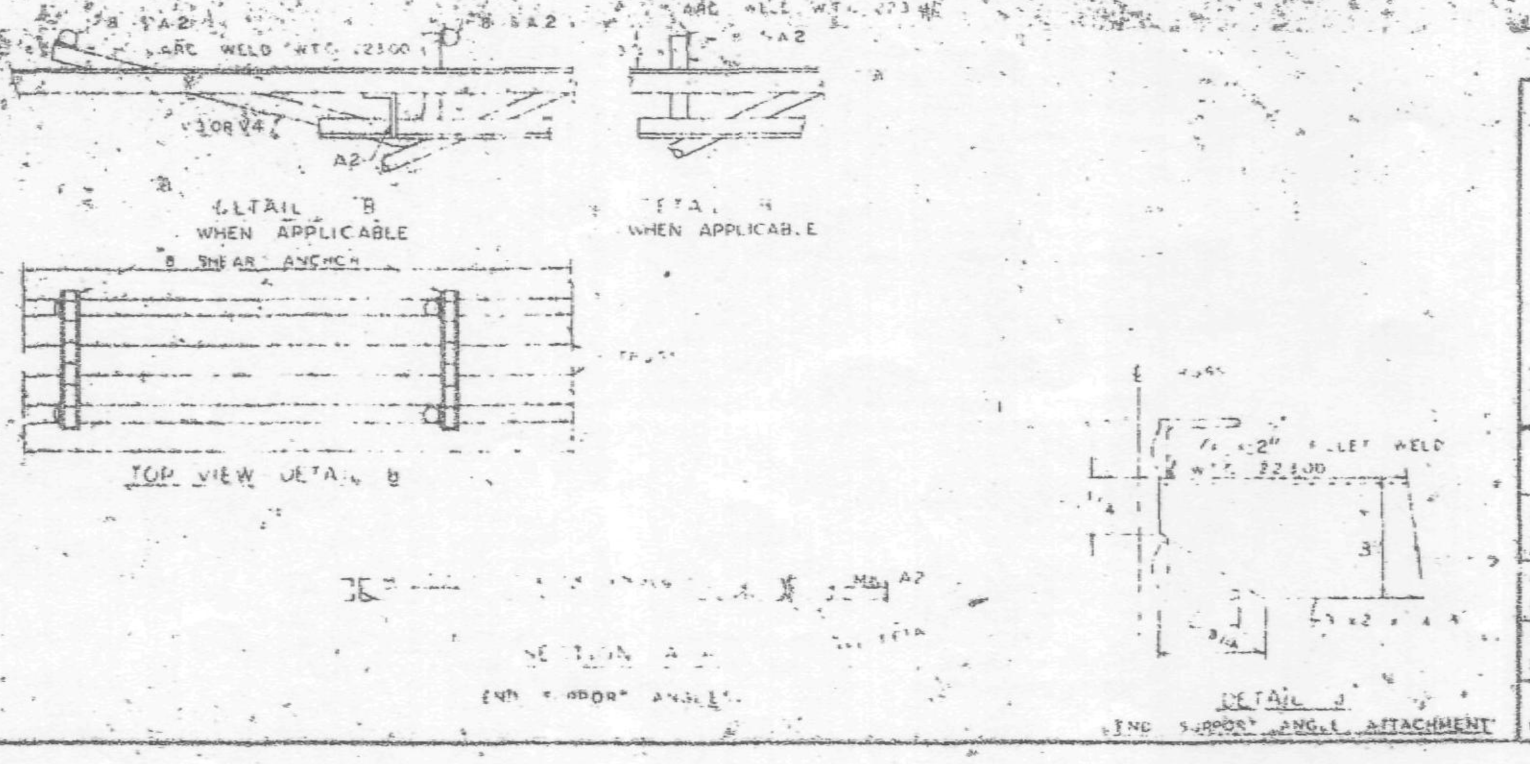


NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NO.	DATE	REVISION	BY
2	8-5-69	AS NOTED	RJO
1	7-15-68	GENERAL	TMC

REF DRWG (2)

- 7-AB4-3 — 10-15-68
- 7-AB4-15 & 16 — 7-22-68
- 7-AB4-42 — 10-15-68
- SA-124 — 1-6-63
- 7-AB3-2 — 1-3-68
- 7-AB1-2 — 7-22-68
- 7-AB2-8 — 7-22-68



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼"x1" FULL THROAT FILLET.

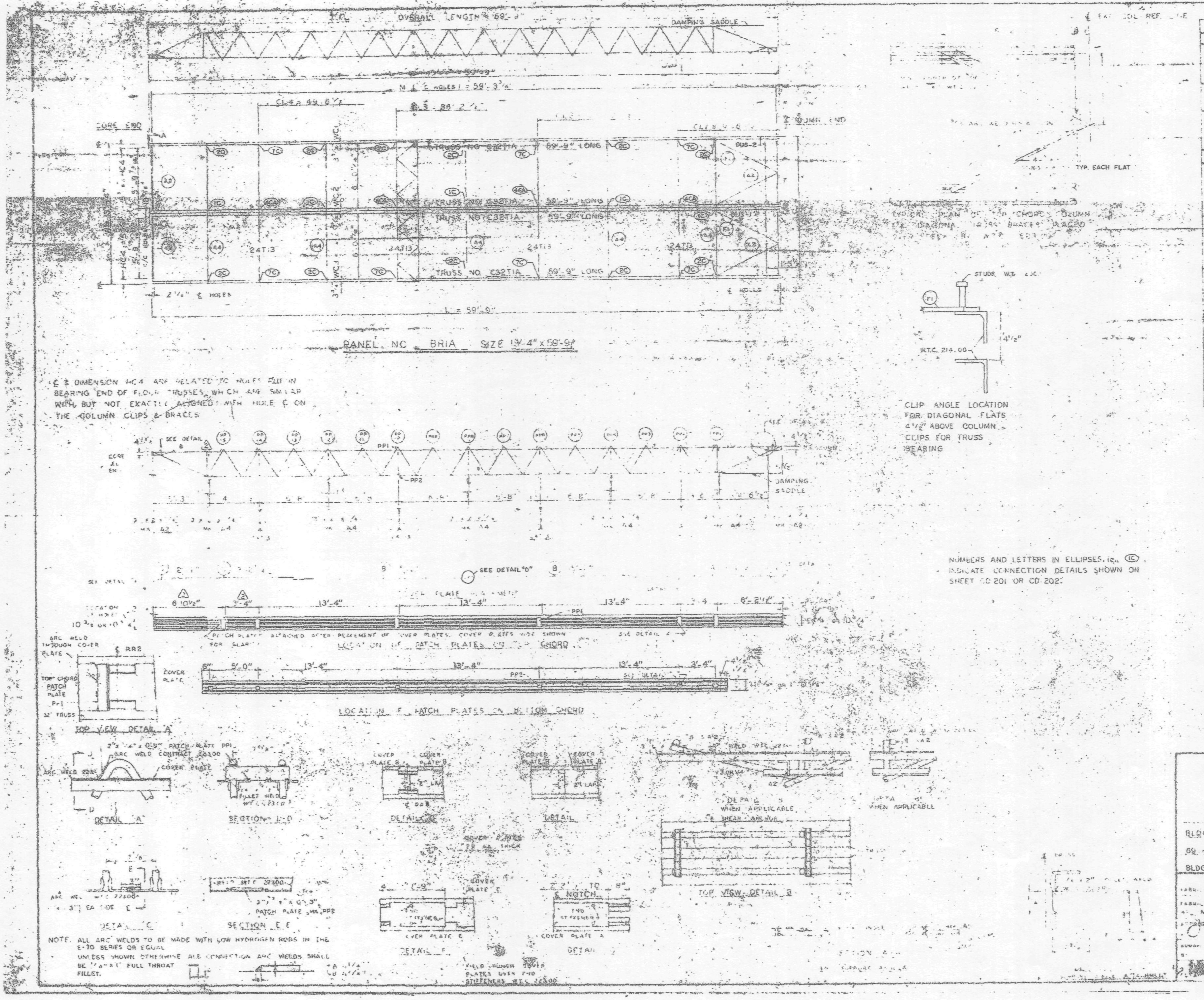
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (S) — PANEL BRIG 13'-4" x 58'-11"

BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-6	PLATE
APPROVED FOR FABRICATION BY [signature]	DATE 4/1/70	DRAWN BY — DATE FEB. 24, 1968	
APPROVED FOR FABRICATION BY — FOR FABRICATOR	DATE	CHECKED BY J.R. PRIS DATE FEB. 24, 1968	IN CHARGE OF
DETAILED		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. CD BRIG



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	4	C32T1A 59'-9"	ST201A
BRIDGING TRUSSES	[illegible]	4	24T13 13'-8"	ST218
	A2	[illegible]	[illegible]	[illegible]
3 x 2 x ¼ ANGLE	A4	5	3 x 2 x ¼ x 13'-3"	[illegible]
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	2" x ¼ x 0'-9"	ST 400
	PP2	12	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 3'-11⅛"	ST303
	B	4	9" x .0135" x 13'-2"	ST303
	C	2	9" x .0135" x 13'-2½"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" x 0'-6"	ST 400
SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	ST 298
	DUS-2	1	[illegible]	ST 298
CONNECTION BAR	CB1	4	[illegible]	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-9"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	4	4½" x .39" x 1'-0"	ST 400

2	6-5-69	AS NOTED	
1	7-15-68	GENERAL	
NO.	DATE	REVISION	

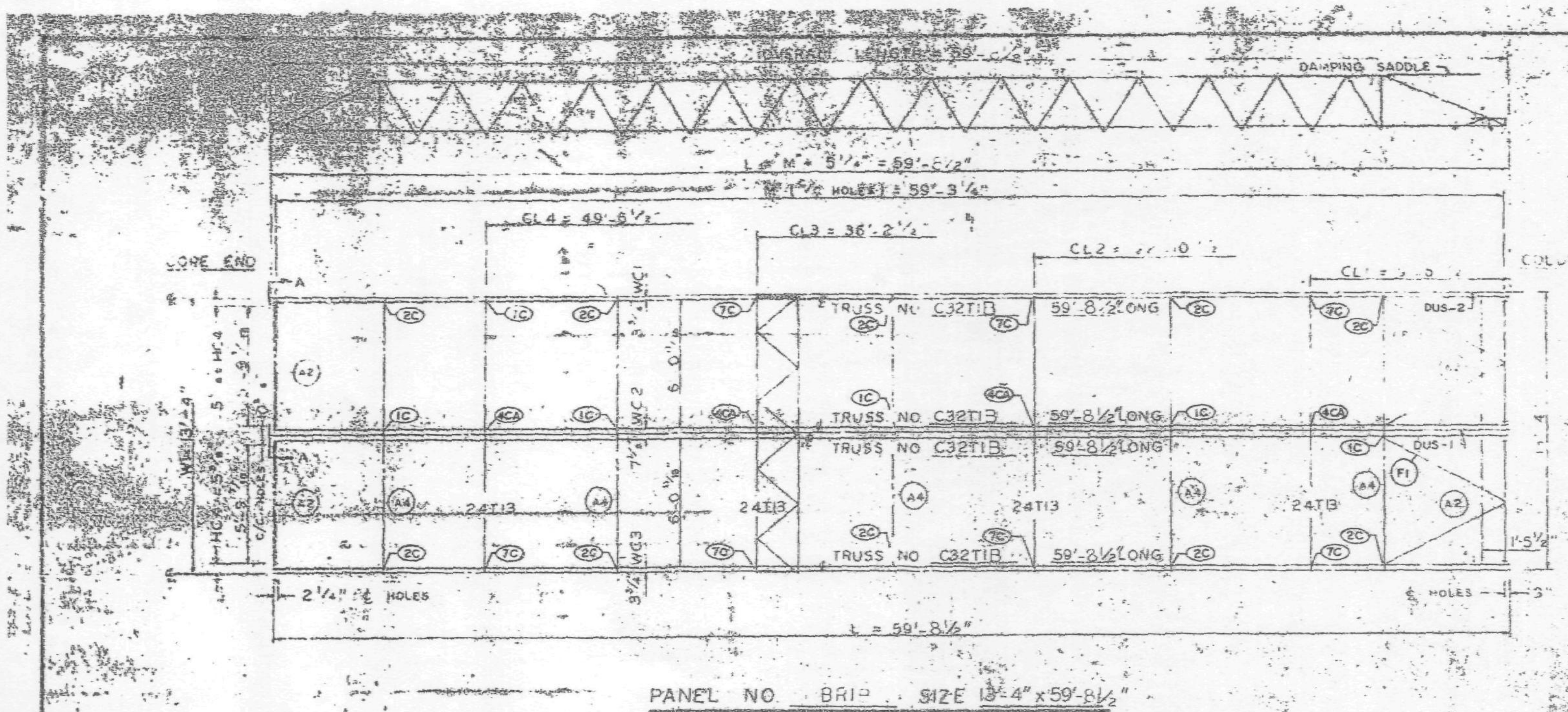
REF. DRWG.

A84-[illegible]	10-10-68
A84 [illegible]	7-22-68
A84-42	10-11-68
[illegible]	1-26-69
[illegible]	[illegible]
[illegible]	7-26-68
[illegible]	7-26-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

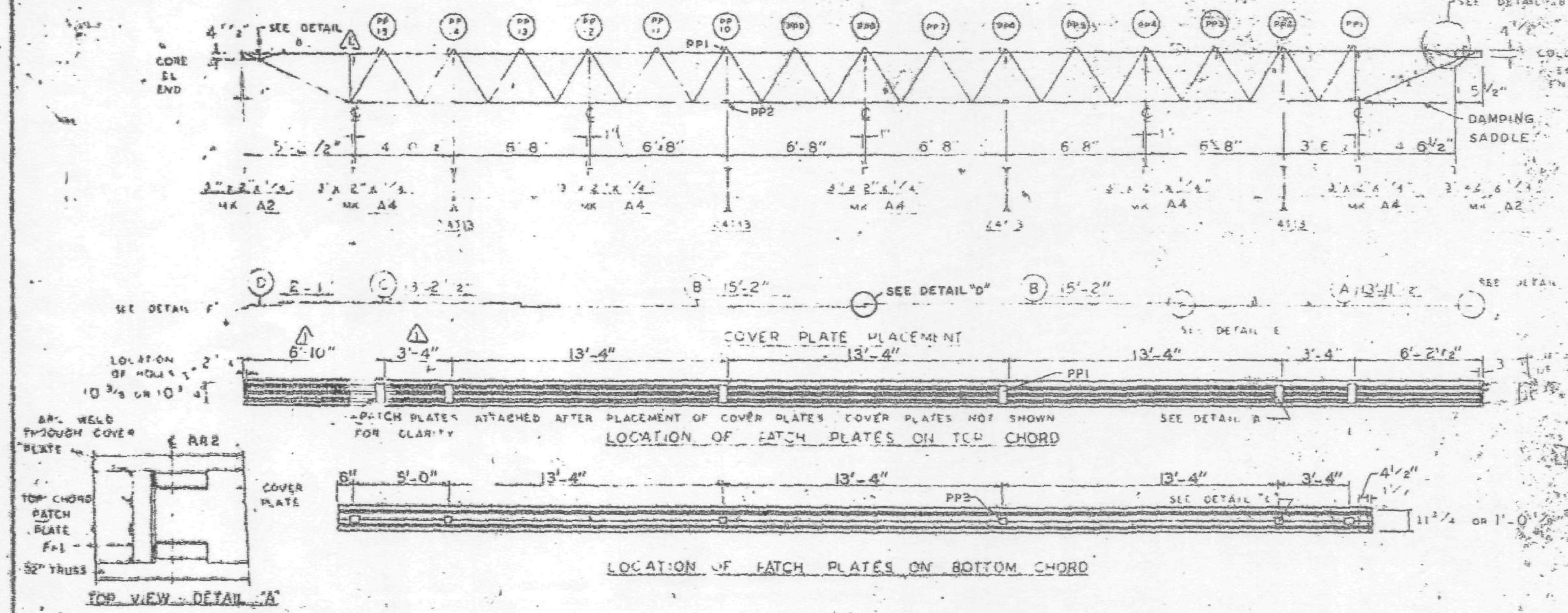
BLDG. A FLOORS 12-24, 26-38 [illegible] 59 [illegible]
69 NORTH [illegible]
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

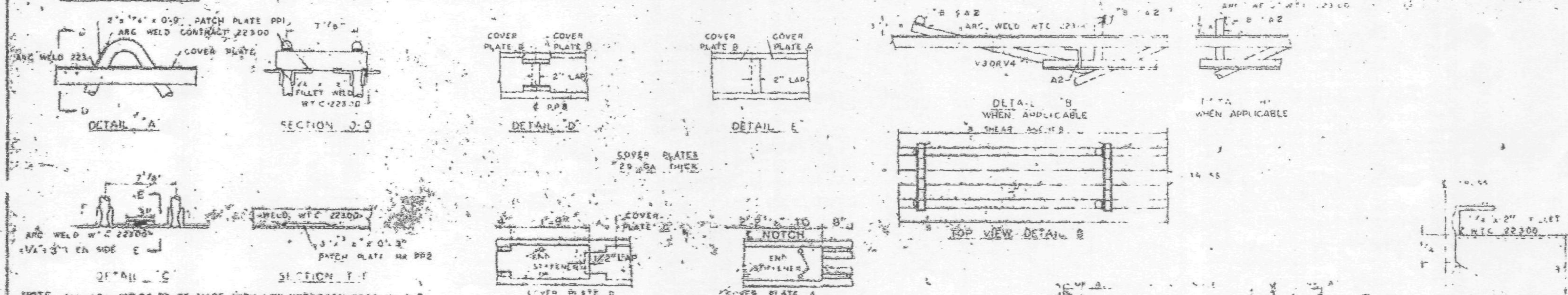
FABRICATION BY LALLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING [illegible]
APPROVED FOR FABRICATION FOR PNYA — DATE [illegible]
DRAWN BY [illegible] — DATE FEB. 24, 1968
APPROVED FOR FABRICATION FOR FABRICATOR — DATE
CHECKED BY J.E.[illegible] — DATE FEB. 24, 1968
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. [illegible]



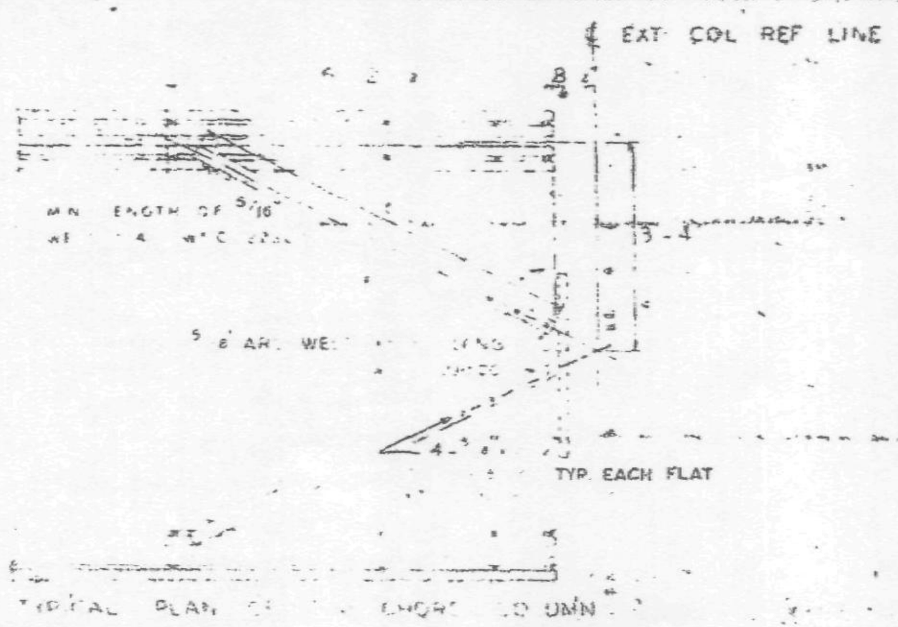
PANEL NO. BRIP SIZE 13'-4" x 59'-8 1/2"

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

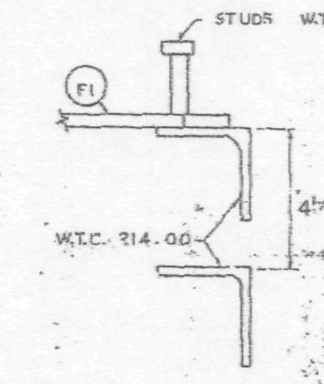




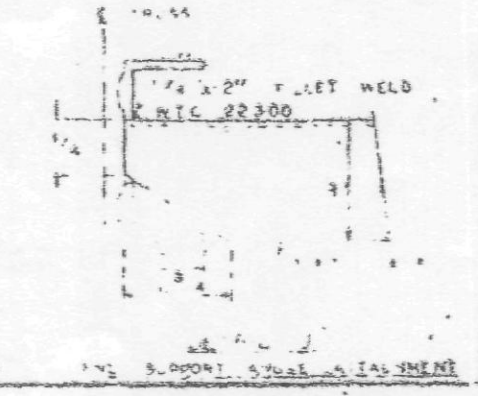
NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET



TYPICAL PLAN OF ... COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING



REQUIRED MATERIAL PER PANEL				REF DWGS
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T18	4	C32T18 - 59'-8 1/2"	ST 018
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 2..
... ANGLE	A2	4	[illegible]	[illegible]
	A4	5	[illegible]	[illegible]
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP	12	[illegible]	[illegible]
	PP	12	[illegible]	[illegible]
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 3/8"	ST298
	DUS-2		3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

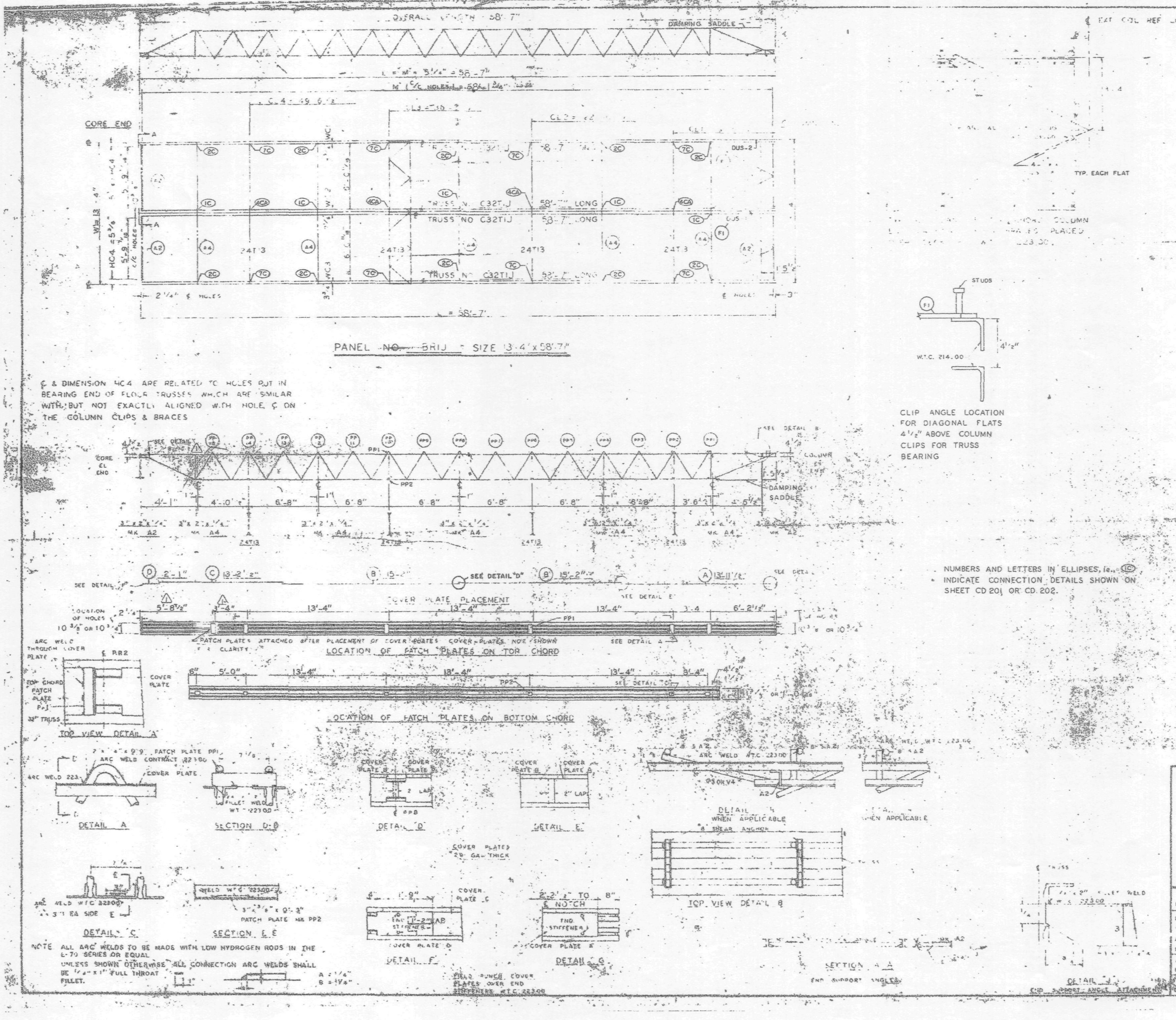
NO.	DATE	REVISION
1	6-5-69	AS NOTED

REF DRWG
7-AB4-2 ... 10-13-68
7-AB4-15,16 8-39 ...
7-AB4-42 ...
5E-1A ... 1-6-68
7-AB3-2 ...
7-AB1-2 ...
7-AB2-B ...

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 83-9.,93 ...
PANEL ... x 59' ...
BLDG. B FLOORS 83-91, 93-106 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3-6 ...
APPROVED FOR FABRICATION BY ... DATE
DRAWN BY ... DATE
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE
CHECKED BY ... DATE
[redacted]
DETAILED BY ...
FABRICATOR CONT. NO 221
SHEET NO



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DWG
FLOOR TRUSSES	TL	4	C32T1 - 5	ST 201
BRIDGING TRUSSES	T13	4	24T13 13'-3"	ST 208
ANGLE	A2	4	[illegible]	[illegible]
	A4	5	[illegible]	[illegible]
[illegible]	[illegible]	6	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	[illegible]
	PP2	12	[illegible]	ST 400
COVER PLATES	A	2	9" x .035" x 13'-11½"	ST 303
	B	4	9" x .035" x 15'-2"	ST 303
	C	2	9" x .035" x 13'-2½"	ST 303
	D	2	9" x .035" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" x 0'-6"	ST 400
#5 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	[illegible]
	DUS-2	1	[illegible]	[illegible]
CONNECTION BAR	CB1	4	1" x 1'-3"	[illegible]
CONNECTION PLATES	P1	5	3½" x ⅝" x 6'-½"	ST 400
	P2	4	4½" x .38" x 0'-8"	ST 400
	P3	4	4½" x .38" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-5-69	AS NOTED

REF DRWG

7-AB4-8	10-15-68
7-AB4-15,16	7-22-68
7-AB4-42	[illegible]
SA 124	1-6-69
7-AB4-8	[illegible]
7-AB1-12	7-22-68
7-AB2-8	7-27-68

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N Y C FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 4[illegible] (N)

PANEL BRIJ

BLDG. B FLOORS 40 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING 7-AB3-6

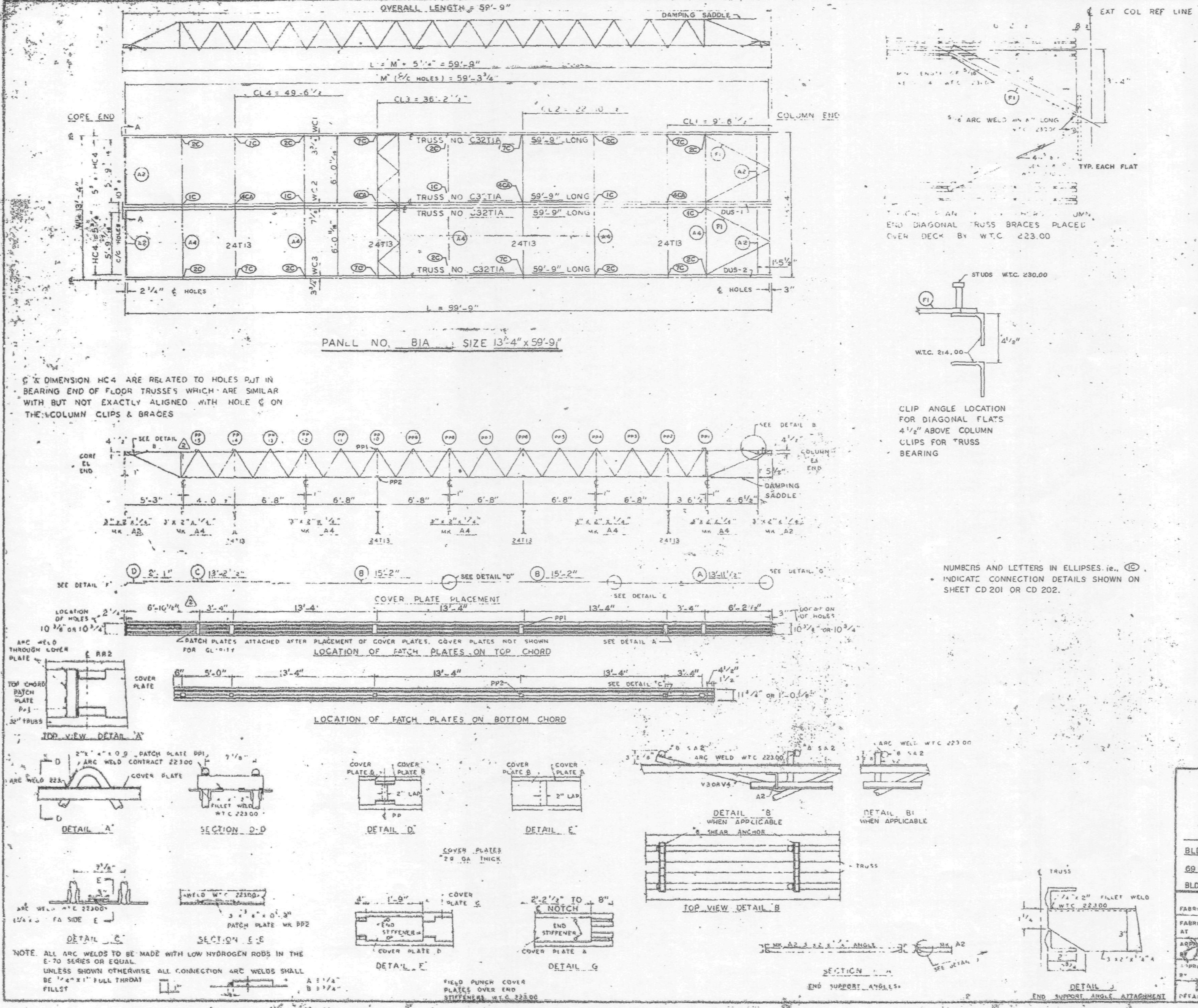
APPROVED FOR FABRICATION BY [signature] DATE

APPROVED FOR FABRICATION BY DATE

DRAWN BY

CHECKED BY

DETAILED BY A. S. WEBER



NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	4	C32T1A - 59'-9"	ST-[illegible]
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 2[illegible]
3 x 2 x 1/4 ANGLE	A2	4	3 x 2 x [illegible]	[illegible]
	A4	5	3 x 2 x [illegible]	[illegible]
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	
	PP2	12	3" x 3/8 x 0'-[illegible]	
COVER PLATES	A	2	9" x .0135" x [illegible]	
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0-9	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 5/8" x 3'-[illegible]	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 5/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	4	4 1/2" x .38" x 1'-0"	ST 400

NO.	DATE	REVISION
2	6-4-69	AS NOTED
1	7-15-68	GENERAL

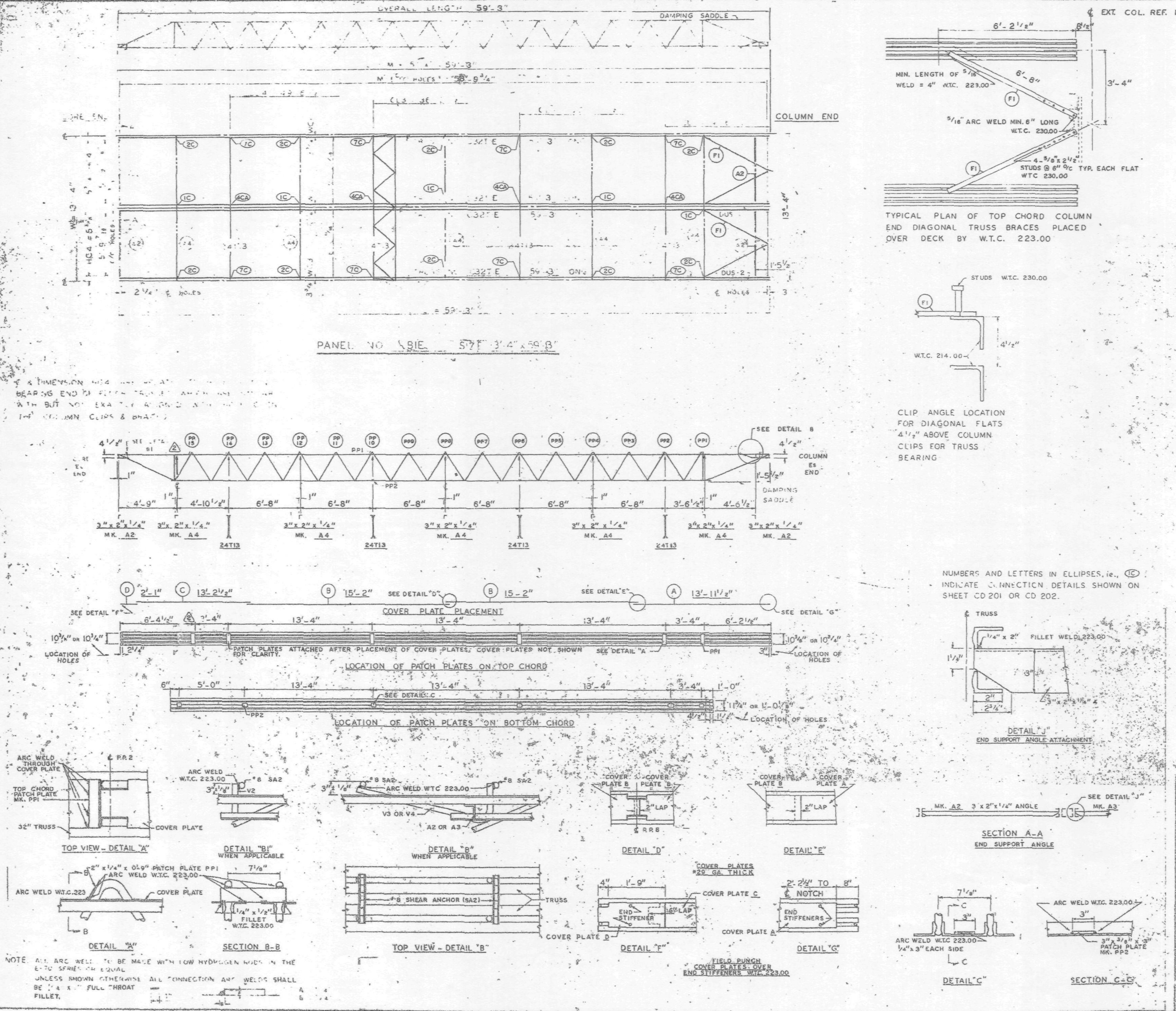
REF DRWG (2)

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-[illegible]-68
7-AB1-2	7-23-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 50, 66, 68
69 (NORTH) PANEL B1A 13'-4" x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) [illegible] (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3 5
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A — DATE
DRAWN BY [illegible] DATE FEB. 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY [illegible] DATE FEB. 24, 1968
IN CHARGE OF [illegible]
DETAILED BY [illegible]
FABRICATION CONT NO. W.T.C. 221
SHEET NO. FP 91A



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
[illegible] TRUSSES	T.1E	4	C32T1E - 59'-3"	ST201E
[illegible]	T13	4	24T13 - 13'-3"	BT213
[illegible] ANGLE	A2	4	[illegible] 2" x [illegible] 4 x 5-11 9/16	ST403
	A4	5	3 x 2' x 1/4 x 13'-3"	ST403
[illegible] ATS	F	4	[illegible] 2" x 5/8 x 5'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4 x 0'-9"	ST400
	PP2	12	3 x 3/8 x 0'-3"	ST400
COVER PLATES	[illegible]	[illegible]	9" x [illegible] x 3'-[illegible] 2"	ST303
	B	4	9" x .0135 x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .035" x 2'-1"	ST303
ANGLE CLIPS	C	16	2" x 1 1/2" x 1/4" x 0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST400
	P2	4	4 1/2" x .39" x 0'-9"	ST400
	P3	4	4 1/2" x .39" x 1'-0"	ST400

NO.	DATE	REVISION	BY
2	6-4-69	AS NOTED	G.D.C.
1	7-15-68	GENERAL	T.M.C.

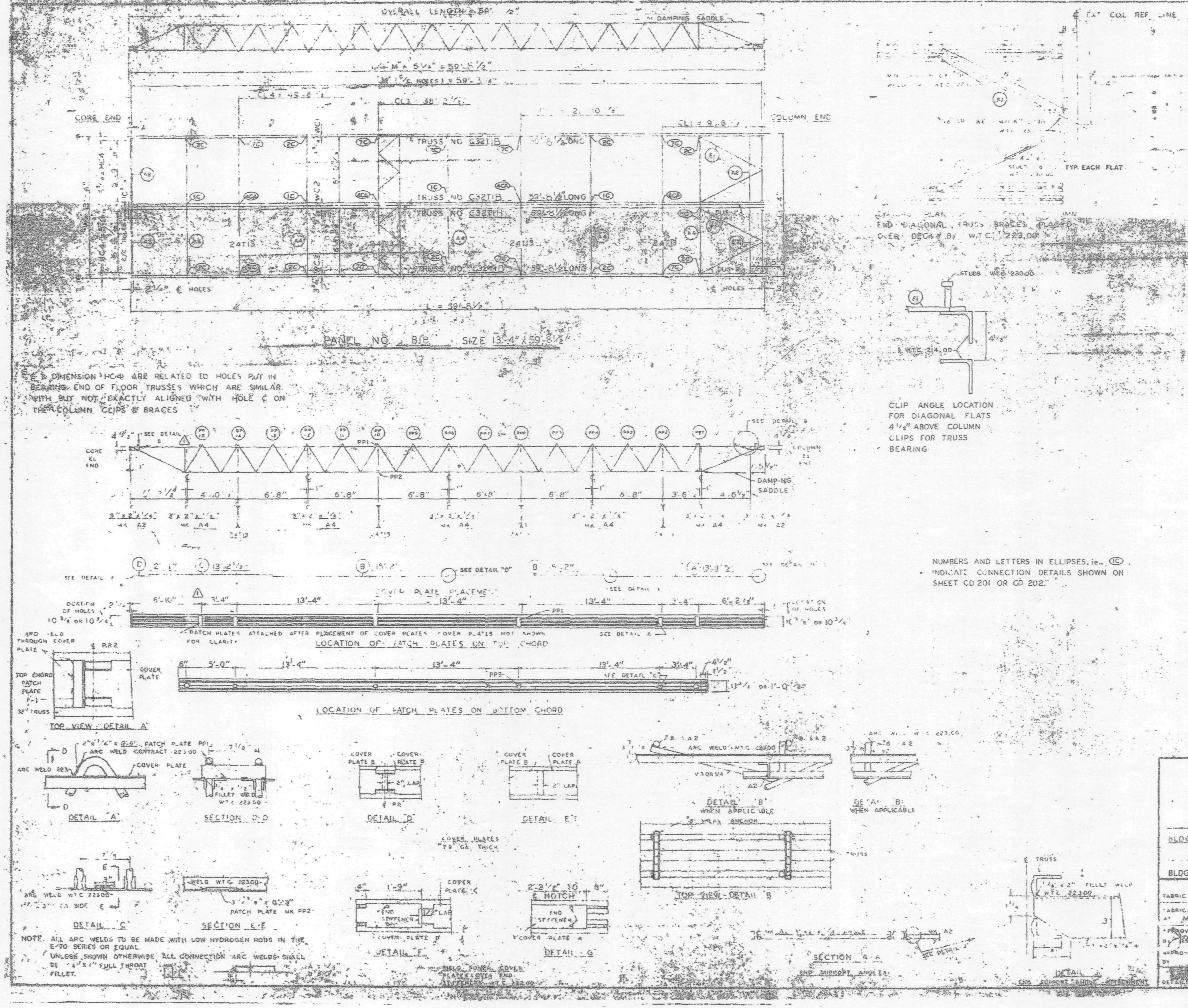
REF. DRWGS.

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA 24	1-6-69
7-BB3-2	1-3-68
7-AB1-2	7-22-68
7-AB3-8	7-22-68

[illegible] PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY.

BLDG A FLOORS 10-11 (NORTH & SOUTH)
PANEL B1E 13'-4" x 59'-3"

FABRICATED BY [illegible] LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 PLATES [illegible]
APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE FEB. 24, 1968
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY J.A.PAUL DATE FEB. 24, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. 221
SHEET NO. FD B1E



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PC.	SIZE	
FLOOR TRUSSES	T11	4	C32T1B - 59'-8 1/2"	[illegible]
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	[illegible]
ANGLE	A2	4	[illegible]	[illegible]
	A4	8	[illegible]	[illegible]
DIAGONAL FLATS	F1	4	[illegible]	
PATCH PLATES	PP1	12	[illegible]	
	PP2	12	[illegible]	
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 13'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 296
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 296
CONNECTION BAR	CB1	4	1" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	4	4 1/2" x .38" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-4-68	AS NOTED

REF DWG:
7-AB4 [illegible] — [illegible]-68
7-AB4 15 & 16 — 7-22-68
7-AB4 42 — 10-15-68
[illegible] — [illegible]
7-AB3 2 — [illegible]-68
7-AB [illegible] — 7-26-68
7-AB2 6 — 7-26-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 [illegible]

PANEL [illegible]

BLDG. B FLOORS 83-91, 93-106 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING 7-AB3-5

APPROVED FOR FABRICATION BY [illegible] DATE [illegible]

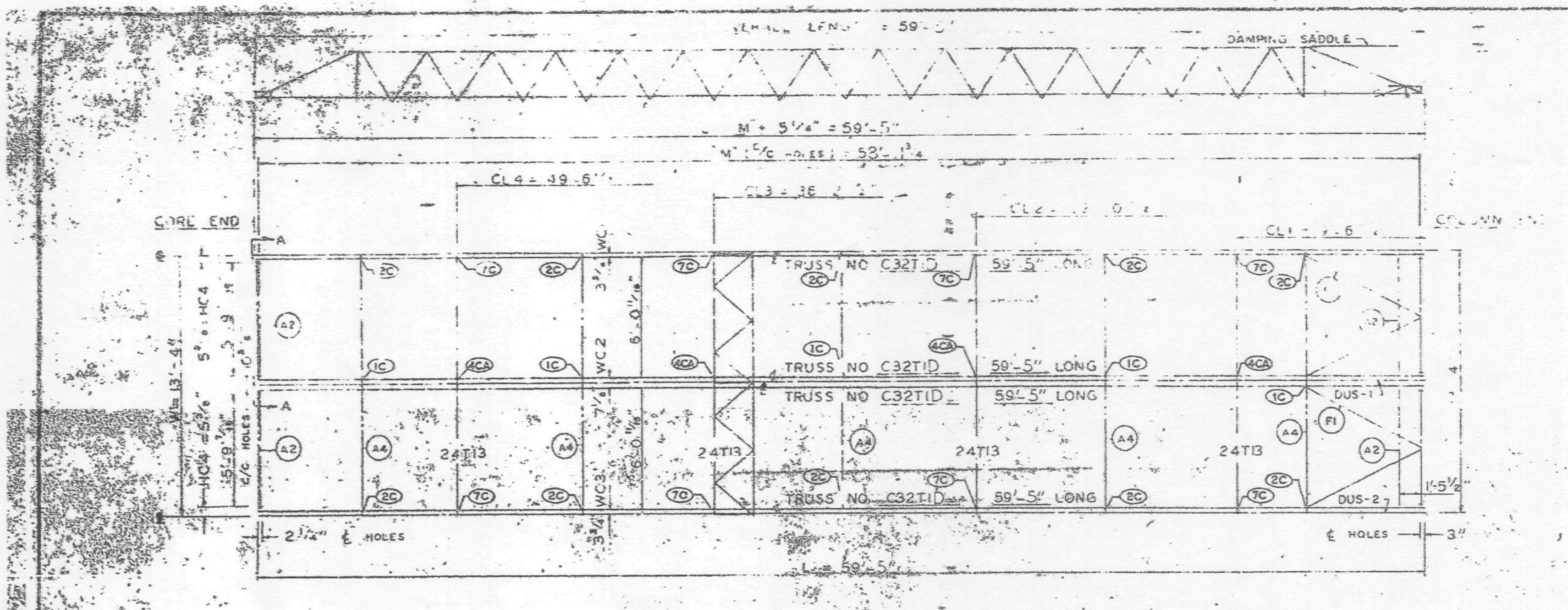
DRAWN BY [illegible]

APPROVED FOR FABRICATION BY [illegible] DATE

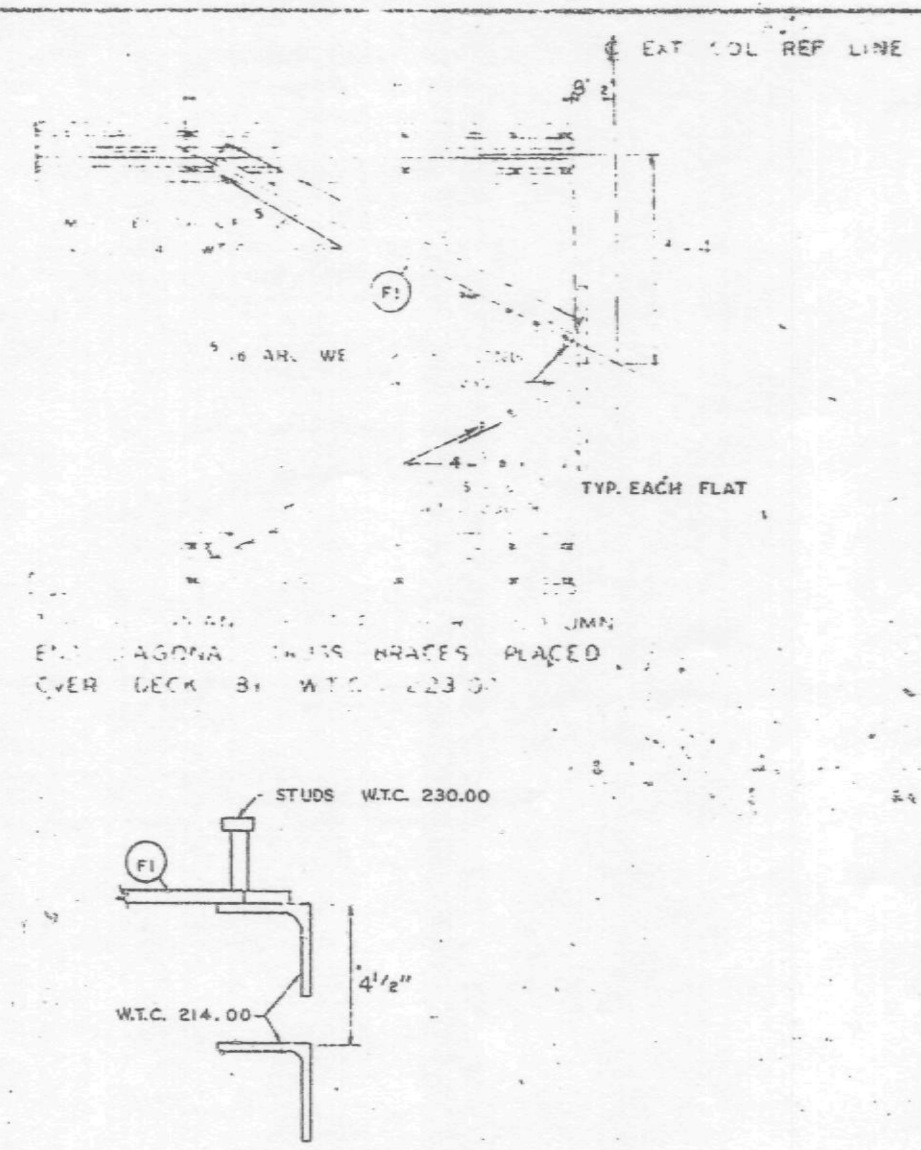
CHECKED BY [illegible] DATE

DETAILED [illegible]

FABRICATION [illegible] W.T.C. [illegible]

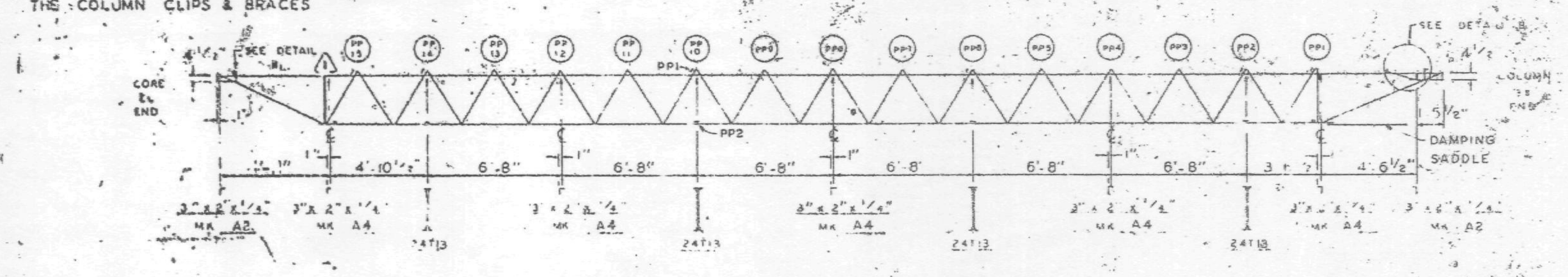


PANEL NO. B1D SIZE 13'-4" x 59'-5 1/2"

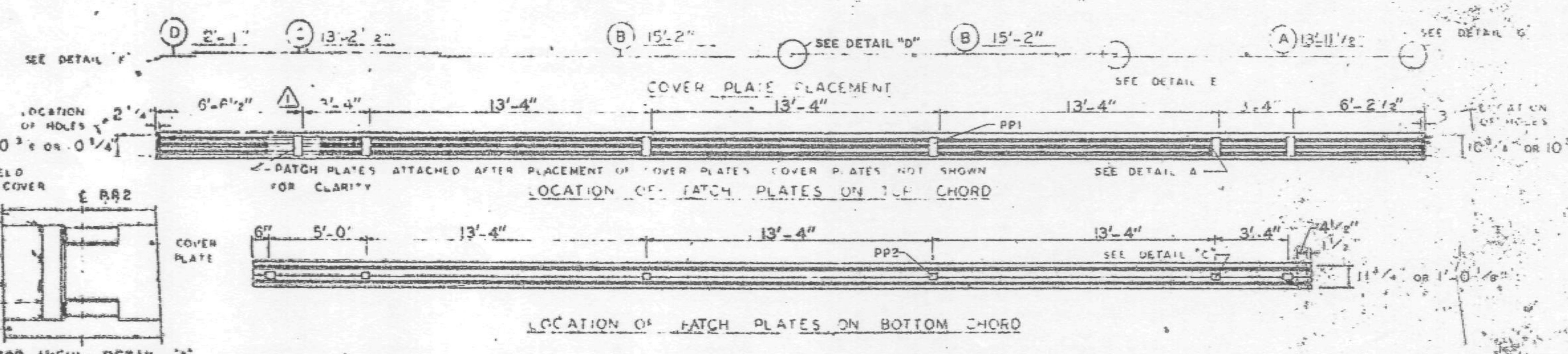


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

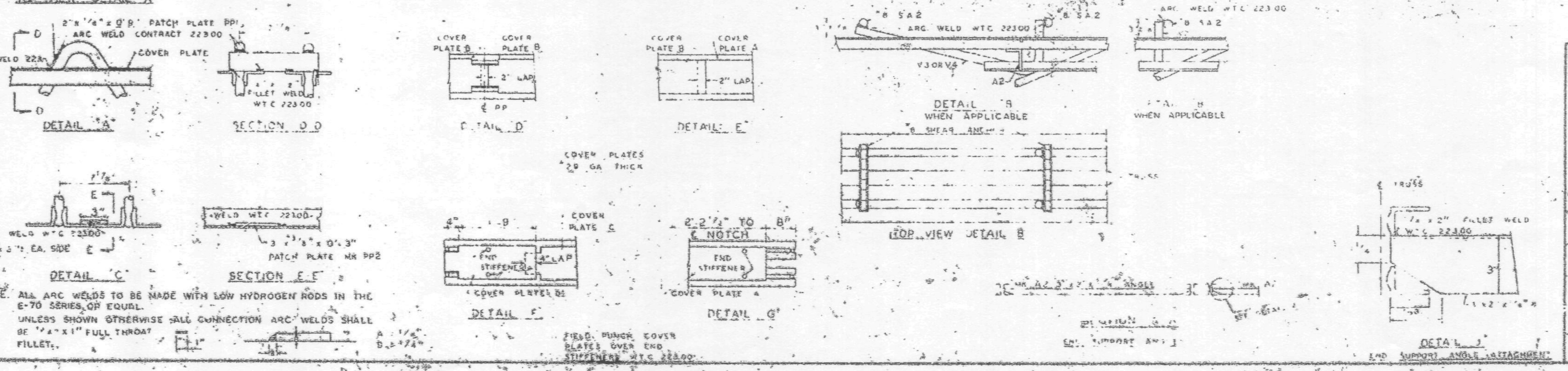
£ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE £ ON THE COLUMN CLIPS & BRACES



NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.



NO.	DATE	REVISION
1	6-4-69	AS NOTED



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1	4	C32T1D 59'-5"	[illegible]
BRIDGING TRUSSES	T3	4	24T13 13'-3"	[illegible]
3 x 2 x 1/4 ANGLE	A2	4	[illegible]	ST 403
	A4	5	[illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	[illegible]
	PP2	12	[illegible]	
COVER PLATES	A	2	9" x 0135" x 13'-2"	ST 303
	B	4	9" x .0135 x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x 0135" x 2'	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x [illegible]	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

REF DRWG

7-AB4-3	[illegible]
7-AB4-5 & 16	[illegible]
7-AB4-42	[illegible]
SA-124	[illegible]
7-AB3-2	1-3-68
7-AB1-2	[illegible]
7-AB2-8	[illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

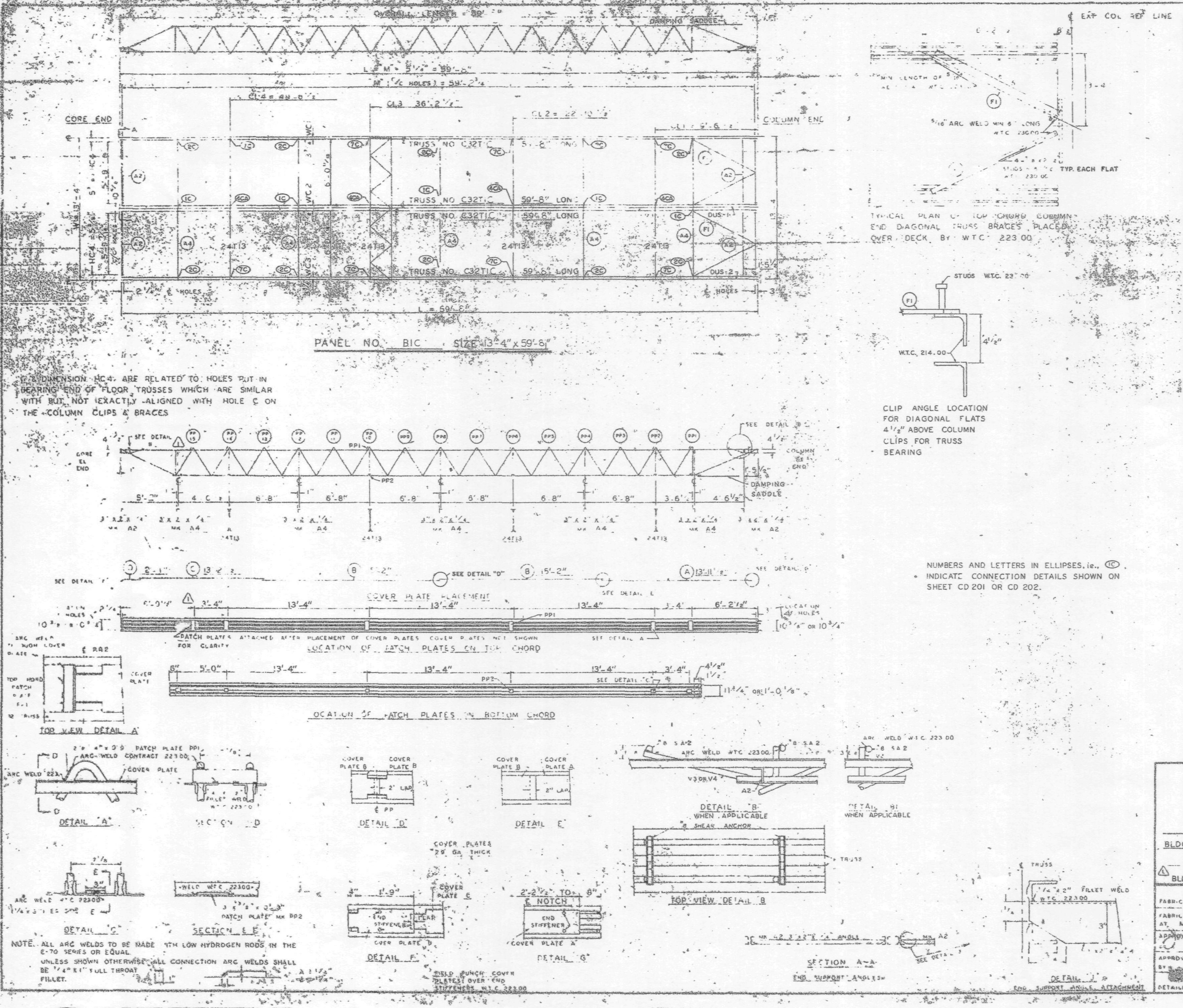
BLDG. A FLOORS 81-82 N

PANEL B1 [illegible]

BLDG. B FLOORS 81-82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3 [illegible]	PLATE [illegible]
APPROVED FOR FABRICATION BY [illegible] FOR PNYA	DATE [illegible]	DRAWN BY [illegible] DATE [illegible] 1968	
APPROVED FOR FABRICATION BY [illegible]	DATE	CHECKED BY [illegible] DATE [illegible] 1968	IN CHARGE OF [illegible]
DETAILED [illegible]		FABRICATION CONT. NO. [illegible] 221	SHEET [illegible]



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T1	4	[illegible] 59 [illegible]	ST[illegible]
BRIDGING TRUSSES	T19	4	[illegible] 24T13 13'-3"	ST[illegible]
3" x 2 1/2" x 1/4" ANGLE	A2	4	[illegible]	ST[illegible]
	A4	5	[illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	[illegible]
	PP2	1[illegible]	[illegible]	[illegible]
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-4-69	AS NOTED

REF DRWG

7-AB4-3	10-1-68
7-AB4-15 & 16	7-22-68
AB4-42	10-15-68
SA-24	1-6-69
7-AB3-2	1-8-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60 [illegible]

PANEL [illegible]

BLDG. B FLOORS 49-58, 60-74, 79-91, 93-106 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB4-5

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE [illegible]

APPROVED FOR FABRICATION BY [illegible] DATE

DRAWN BY [illegible] DATE [illegible]

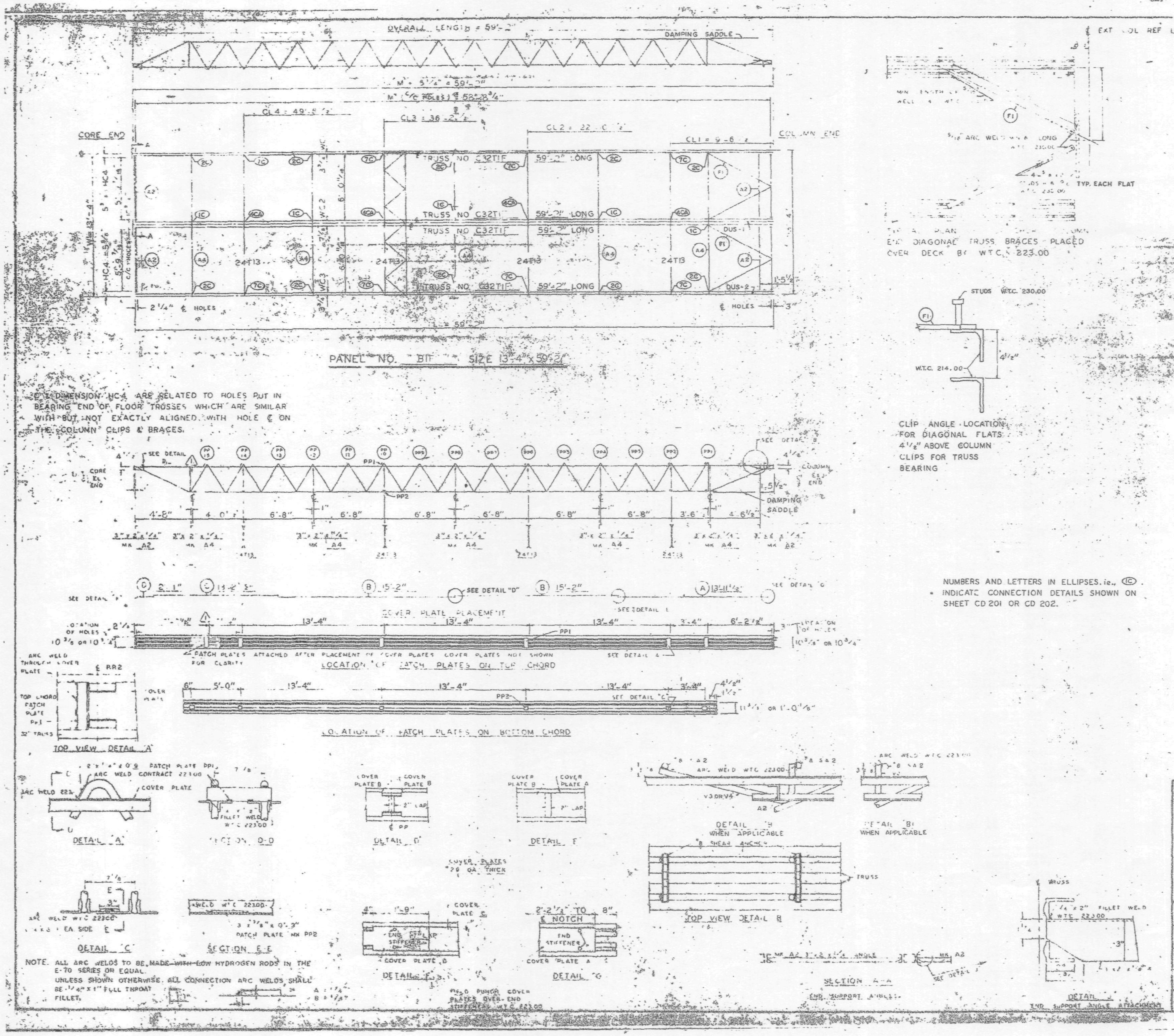
CHECKED BY [illegible] DATE 1968

IN CHARGE [illegible]

DETAILED BY A.G. WEBER

FABRICATION CONT. [illegible] 221 [illegible]

SHEET [illegible] B1



REQUIRED MATERIAL PER PANEL				REF. DRAW.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST[illegible]
BRIDGING TRUSSES	T-3	4	24T13 13'-3"	ST213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST403
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible] x 0'-9"	ST4[illegible]
	PP2	12	[illegible]	[illegible]
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#6 SHEAR ANCHOR	SA2	6	#6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

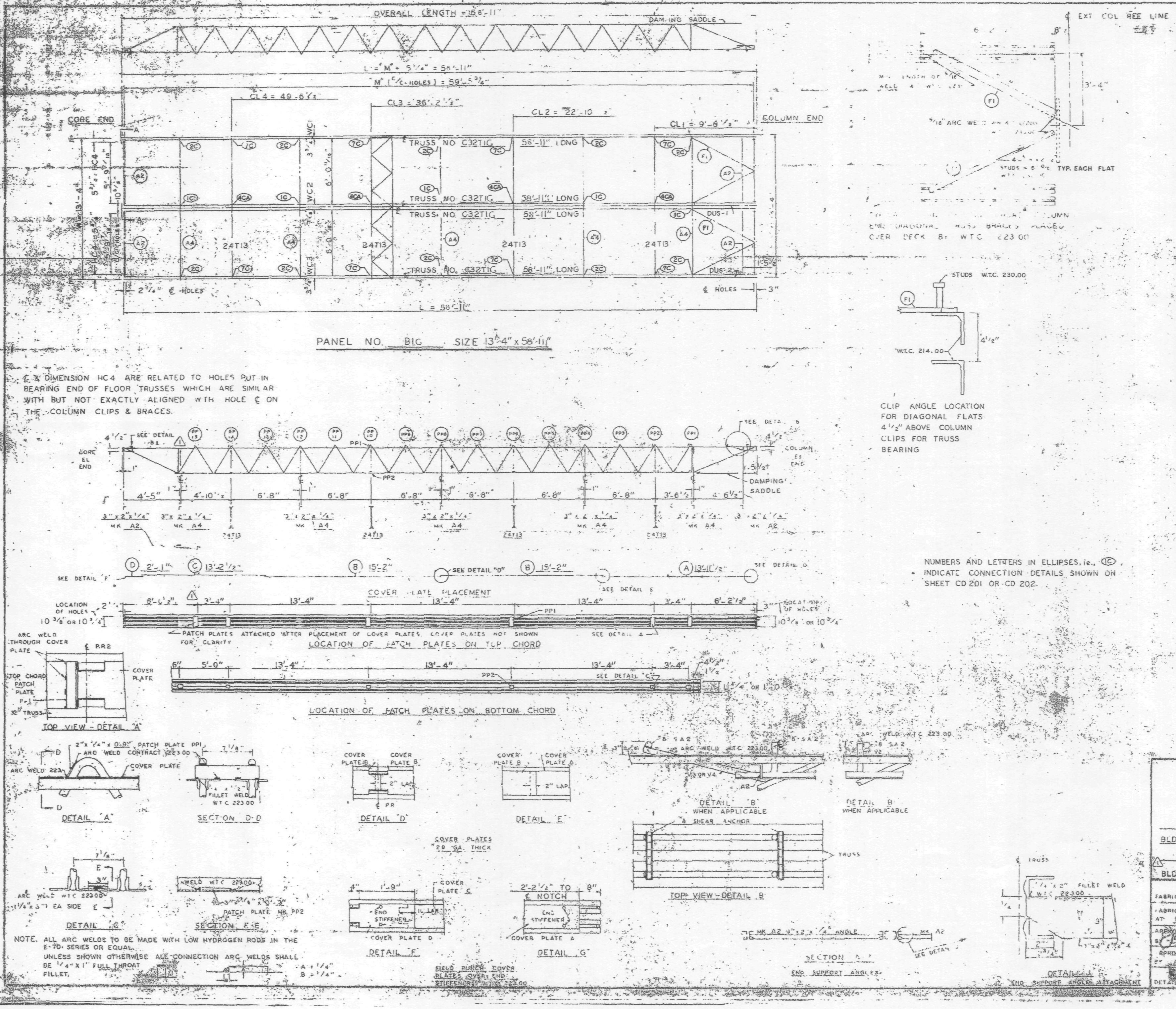
NO.	DATE	REVISION	BY
1	[illegible]	[illegible]	

REF DRWG
7-AB4-3
7-AB4-15 & 16
7-AB4-42
SA-124
7-AB3-2 ... 3-68
7-AB1-2
7-AB2-8

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 47-[illegible] 47-48, 70-71 [illegible]
PANEL B1F - 13'-4" [illegible]
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3-5
APPROVED FOR FABRICATION BY ... FOR P.O.N.Y.A. DATE [illegible]
DRAWN BY [illegible] DATE ... 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY ... DATE ... 1968
DETAILED BY [illegible]
FABRICATION CONT. NO W.T.C. 221



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1G	4	C32T1G - 58'-11"	ST201G
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-4-69	AS NOTED	C.D.

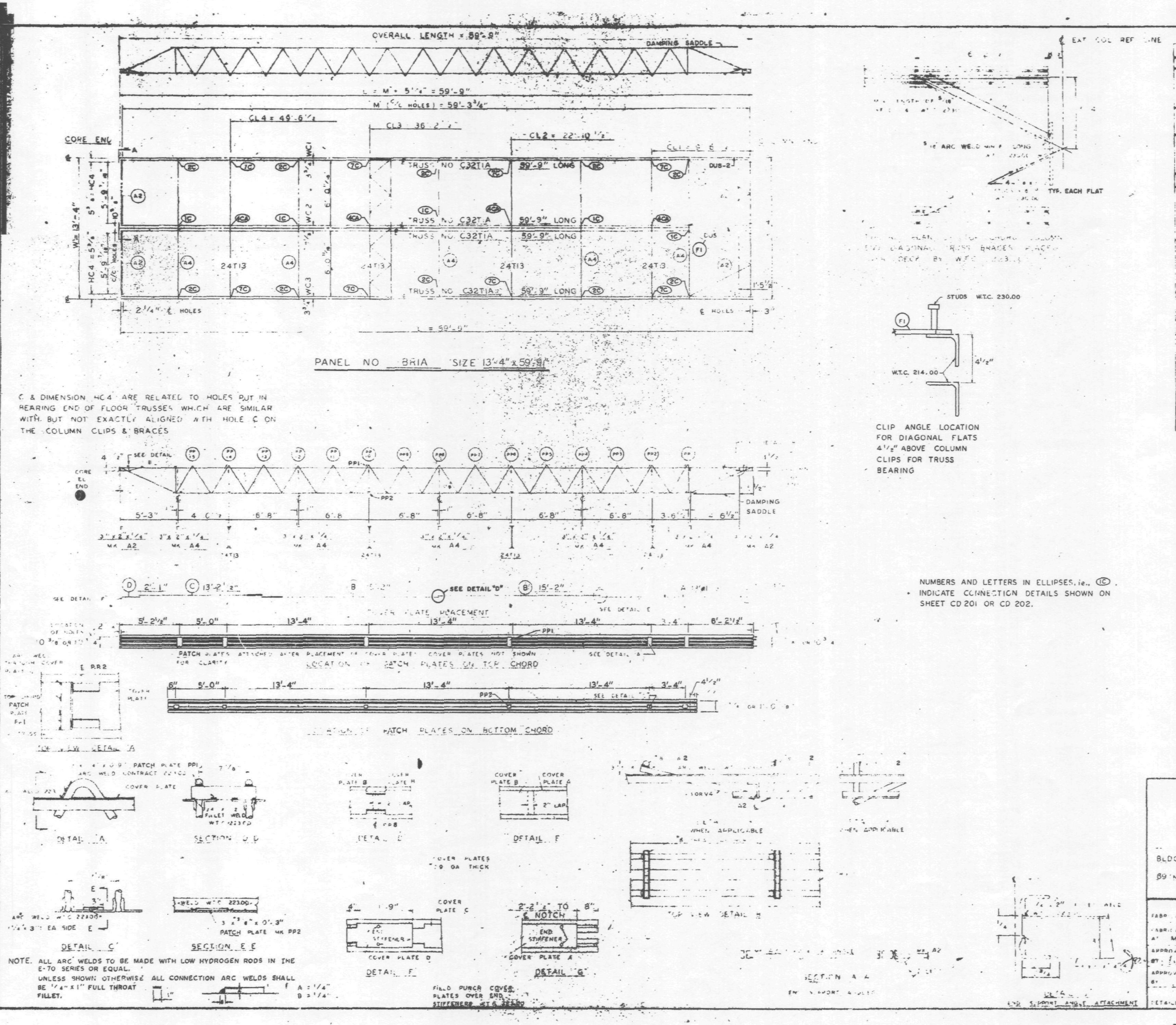
REF. DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
(1) 7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-26-68
7-AB2-B	7-26-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (NORTH & SOUTH)
PANEL B1G - 13'-4" x 58'-11"
(1) BLDG. B FLOORS 39-40 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5
APPROVED FOR FABRICATION BY James [illegible] DATE 1/2/70
DRAWN BY
DATE
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY T.M.
DATE
DETAILED BY
FABRICATION CONT. NO.



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T-A	4	C32T-A 59'-9"	ST 201A
BRIDGING TRUSSES	T13	4	24T13 13'-3"	ST 213
BRIDGING ANGLE	A2	4	[illegible]	ST 403
	A4	6	[illegible]	ST 403
DIAGONAL FLATS	F	4	[illegible]	ST 402
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	3 x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x 0.035" x 3'-11 1/2"	ST 303
	B	4	9" x 0.035 x 15'-2"	ST 303
	C	2	9" x 0.035" x 13'-2 1/2"	ST 303
	D	2	9" x 0.035" x 2'-1"	ST 303
ANGLE CLIPS		16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-5"	ST 400
DAMPING SADDLE	DUS 1		3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS 2		3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	7-15-68	GENERAL	T.M.C.

FOR THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS [illegible] 28, [illegible] 66, 58, 89 (NORTH)

PANEL BRIA 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO [illegible] 4-1-68 PLATE

APPROVED FOR FABRICATION BY [illegible] FOR PNYA DATE 8/16/68

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

DRAWN BY [illegible] DATE FEB 24, 1968

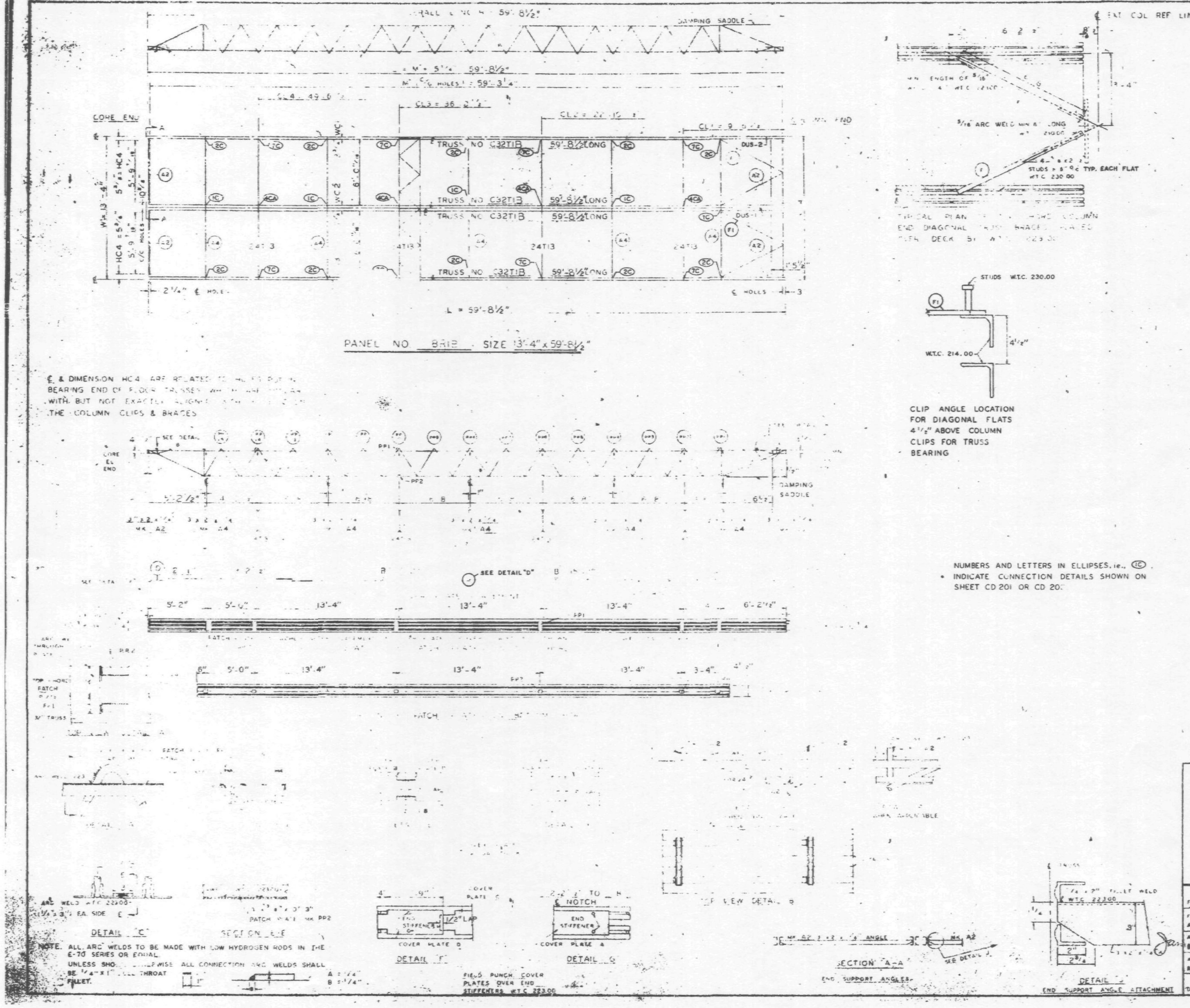
CHECKED BY J.S. PAIK DATE FEB 24, 1966

IN CHARGE OF PROD. DEV.

DETAILED BY A. WEBER

FABRICATION CONT. NO W.T.C. 221

SHEET NO FP BRIA



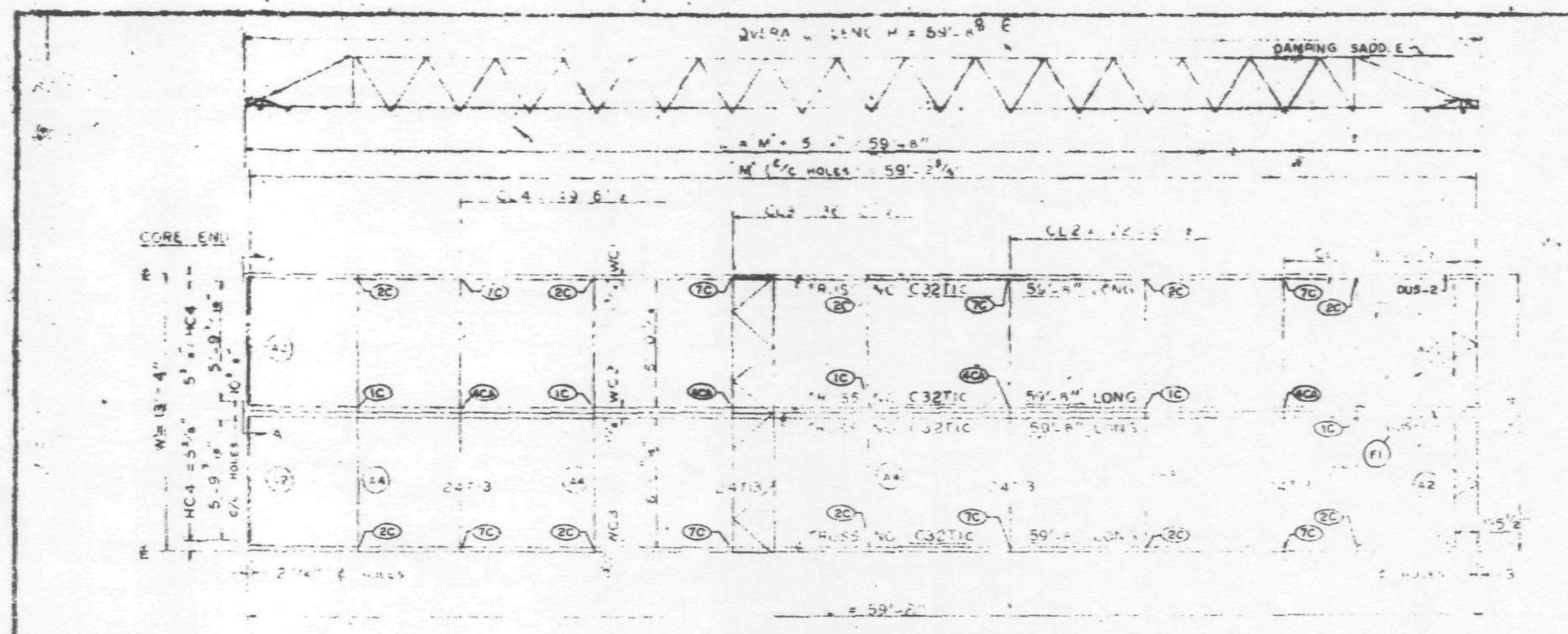
REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DWG
FLOOR TRUSSES	T1B	4	C32T1B - 59'-8½"	ST203A
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3" x 2" x ¼" ANGLE	A2	4	3" x 2" x ¼" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x ¼ x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1'-2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x ¼" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11½"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2½"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR-ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½" x 3½" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3½" x 3½" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½" x 3/8" x 6½"	ST 400
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	4	4½" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

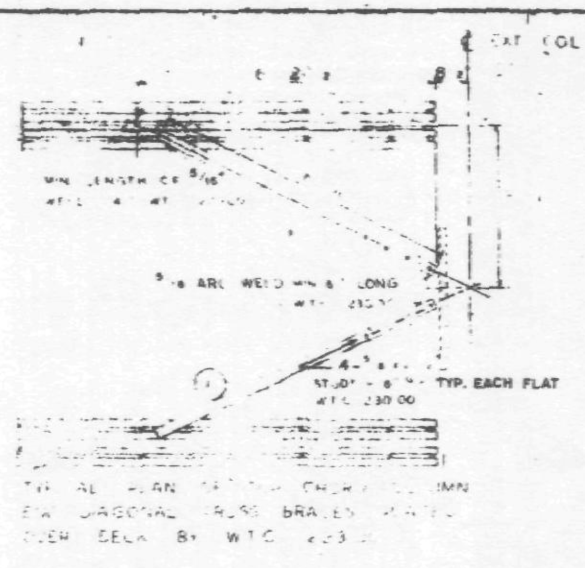
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

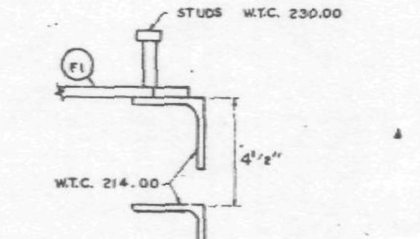
BLDG A FLOORS 83-91, 93-106 (N)
PANEL BR1B - 13'-4" x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY	
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-A83-6 7-22-68 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 11/1/68	DRAWN BY DATE 10-22-68
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY T.M. THURA DATE 10-22-68 / IN CHARGE OF
DETAILED BY	FABRICATION CONT. NO. W.T.C. 221 / SHEET NO. BR1B



PANEL NO. [illegible] SIZE 13'-4" x 59'-8"

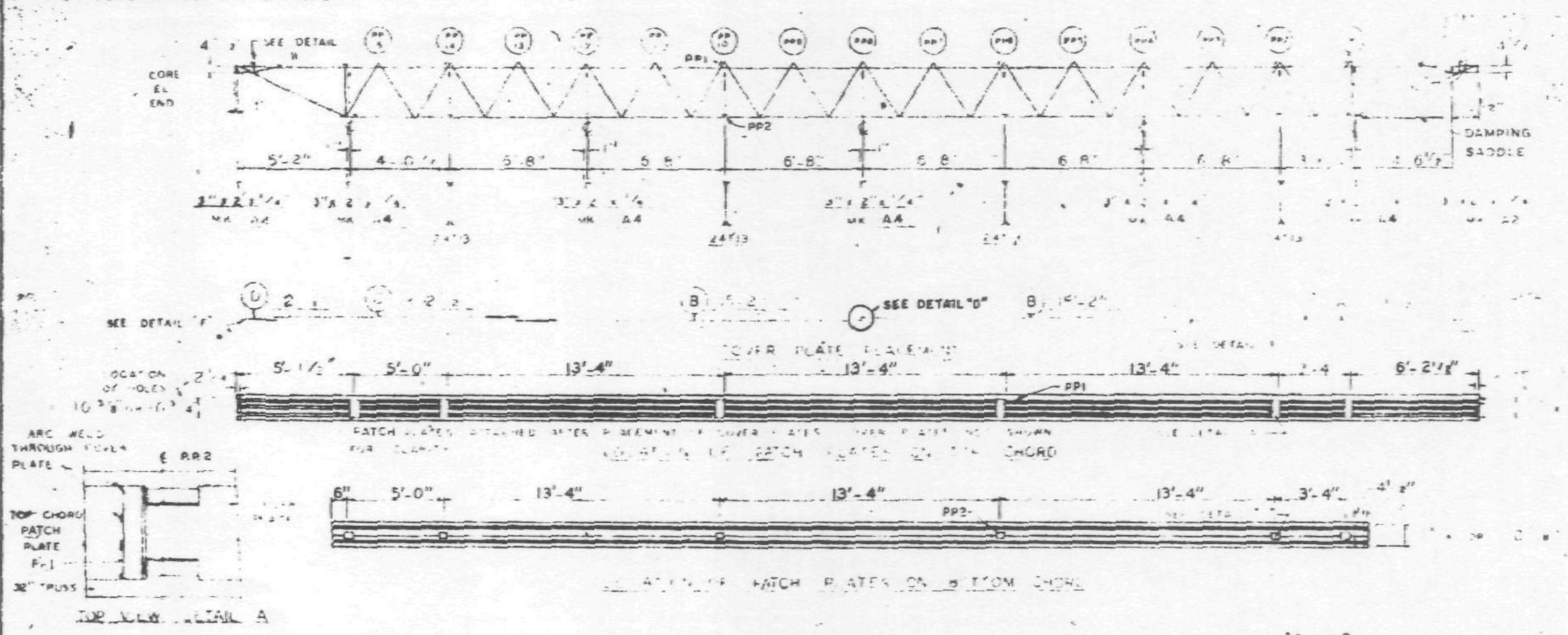




CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T.C	4	C32T1C - 59'-8"	ST201C
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
[illegible] ANGLE	A2	4	[illegible]	ST403
	A4	5	[illegible] x 13'-3"	ST403
DIAGONAL FLATS		4	[illegible] x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x [illegible] x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	5" x 0.135" x 13'-11 1/2"	ST303
	B	4	6" x 0.135" x 15'-2"	ST303
	C	2	9" x 0.135" x 13'-2 7/8"	ST303
	[illegible]	2	5" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	[illegible]	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

℄ & DIMENSION HC4 ARE [illegible] BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

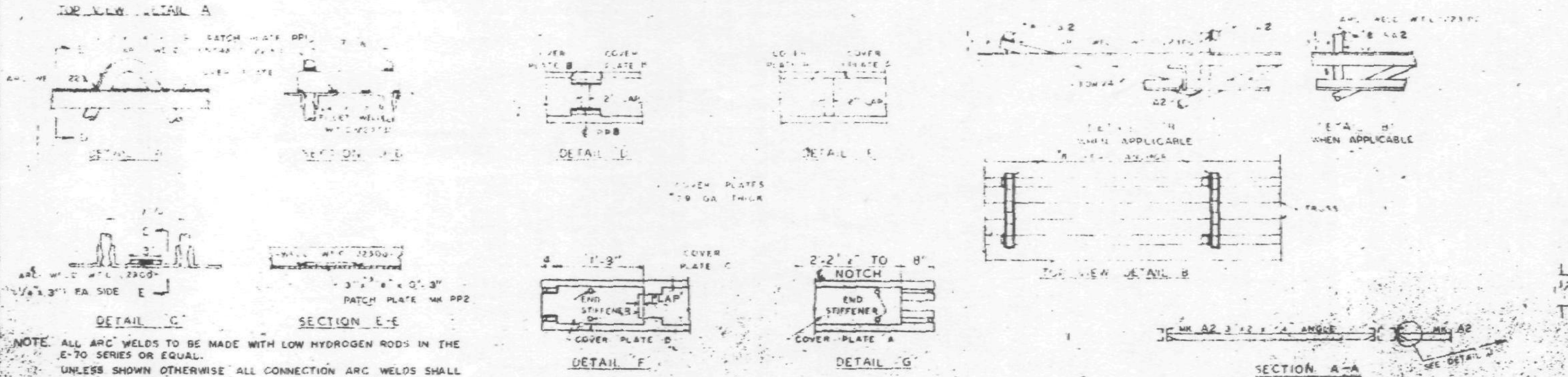


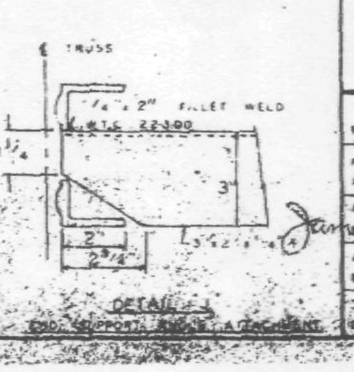
NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202

NO.	DATE	REVISION	BY

REF DRWG

7 AB4 -3,3,1	1-3-68
7-AB4 -15-16 & 39	7-22-68
7-AB4 -42	10-15-68
[illegible] 24	10-11-68
7-AB3 -2	1-3-69
7-AB[illegible]-2	7-22-68
7-AB2-C	7-22-68





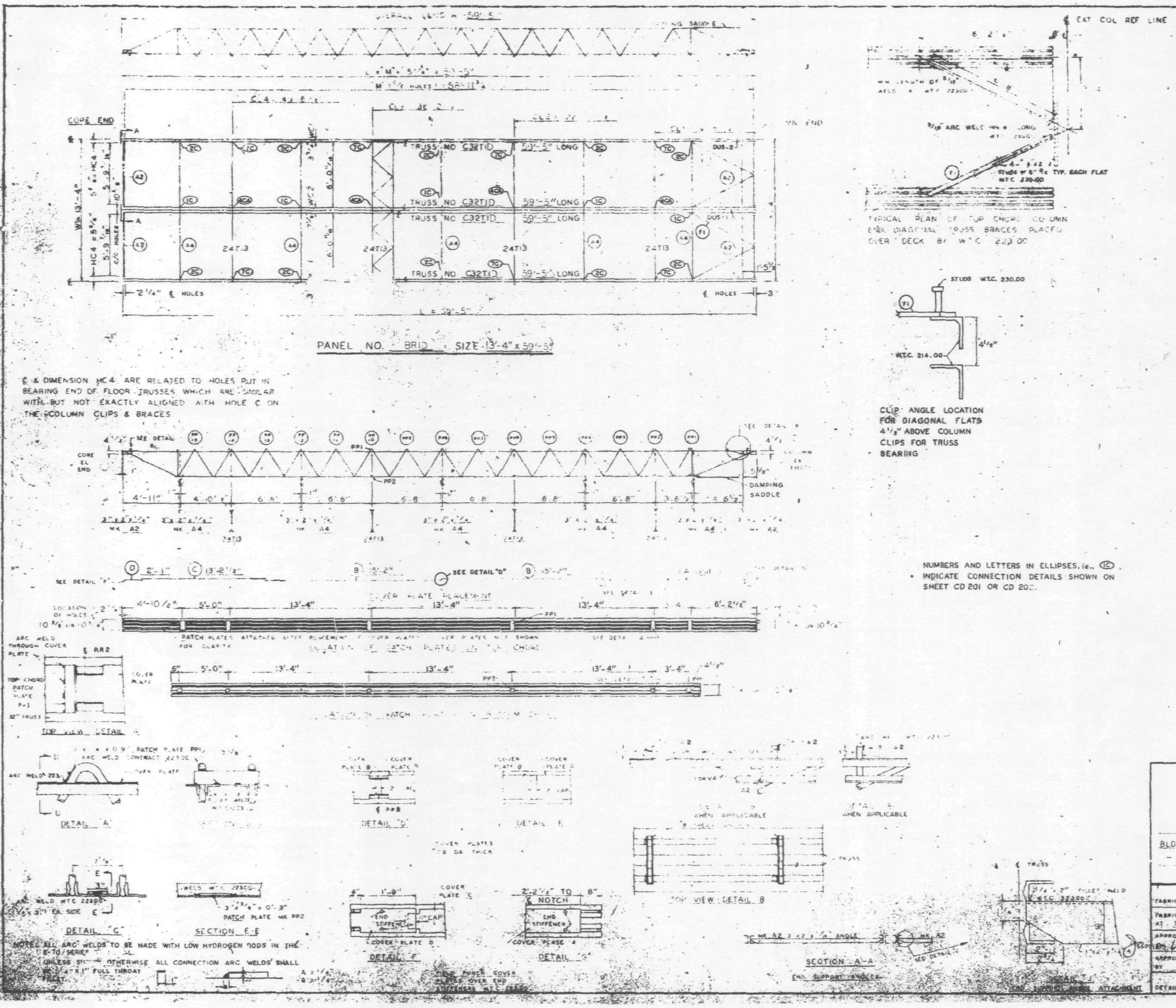
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" X 1" [illegible] FILLET.
A = 1/4"
B = 1/4"

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 49-58, [illegible] 66, [illegible]-74, 79-91, [illegible]
PANEL [illegible] - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING [illegible] 7-AB3-[illegible] 7-22-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. James [illegible]	DATE 11/1/68	DRAWN BY [illegible] DATE 10-22-68
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE 10-22-68
LACLEDE STEEL CO.		FABRICATION [illegible] 221



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	4	C32T1D - 59'-5"	ST 201D
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x[illegible]	ST 403
	A4	5	3"x2"x1/4"x[illegible]	[illegible]
DIAGONAL PLATS	F1	4	1 1/8"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	12	2"x 1/4"x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x .0135"x 13'-11 1/2"	ST 303
	B	4	9"x .0135"x 13'-2"	ST 303
	C	2	9"x .035"x 13'-2 1/2"	ST 303
	D	2	9"x .035"x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 5'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x 0'-[illegible]"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400

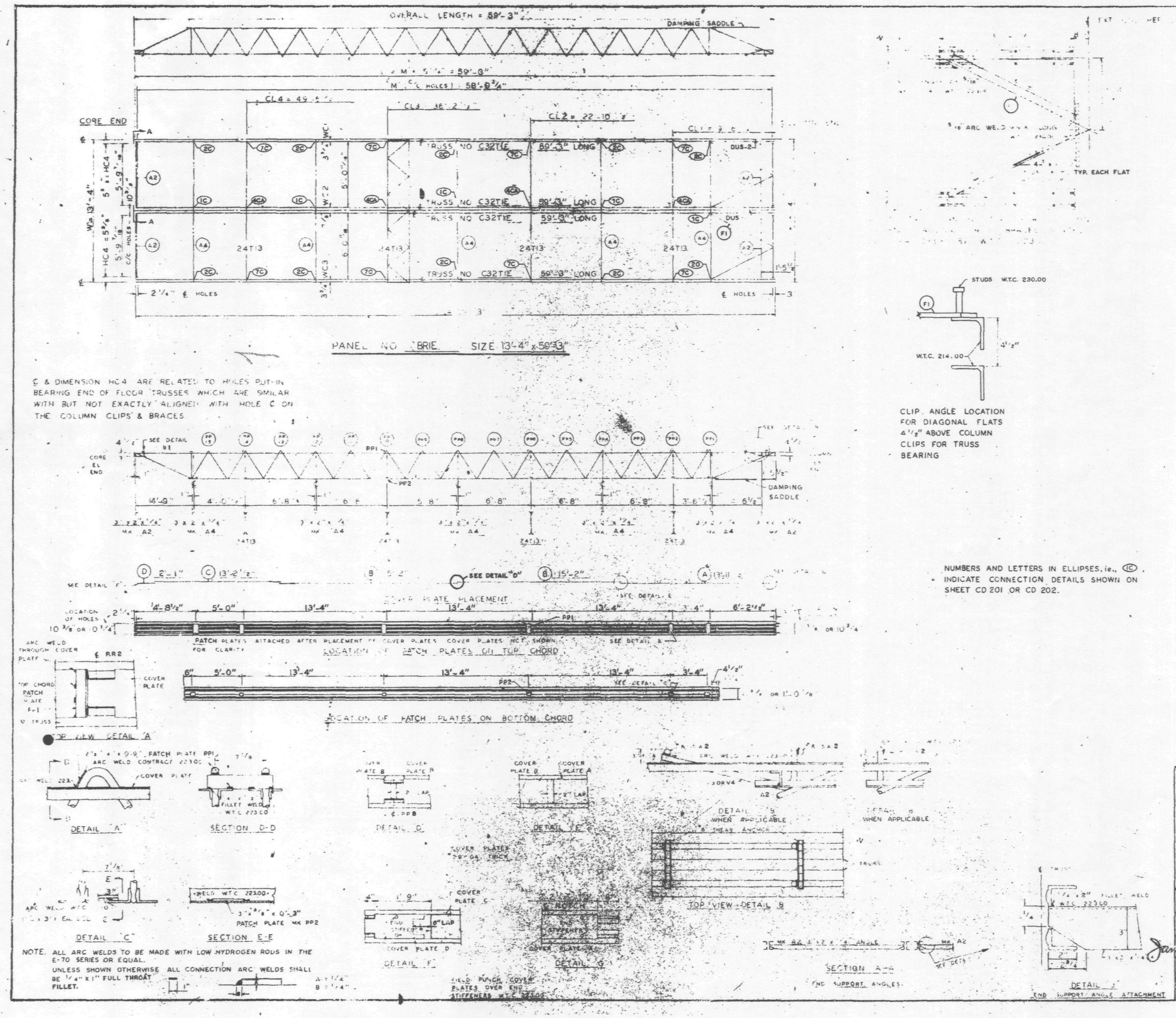
NO.	DATE	REVISION	BY

REF DRWG
7-AB4-33.1 7-3-68
7-AB4 15,16 & 39 7-22-68
7-AB4 42 10-15-68
SA 24 10-11-68
7-AB2-2 [illegible]-68
7-AB1-2 7-22-68
7-AB2-6 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 81-82 (N)
PANEL BRID - 13'-4" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 11/1/68
DRAWN BY DATE 10-22-68
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T M CHURCH DATE 10-22-68
IN CHARGE OF
LACLEDE STEEL CO
DETAILED BY
FABRICATION
SHEET NO FP BRID



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T.1	4	C32T1E 59'-3"	ST201D
	T.3	4	24T13 13'-3"	BT213
ANGLE	A2	4	3 x 2 x 1/4 x 5'-6"	ST403
	A4	5	3 x 2 x 1/4 x 13'-3"	ST403
DIAGONAL FLATS		4	2 x 5/8 x 6'-8"	ST402
PATCH PLATES	PP1	12	2 x 1/4 x 0'-9"	ST 400
	PP2	12	3 x 3/8 x 0'-3"	ST 400
		2	9 x 0.35 x 3'-1/2"	ST303
	B	4	9 x 0135 x 15'-2"	ST 303
		2	9 x 0135" x 13'-2 1/2"	ST303
		2	9 x 0135 x 2'-1"	ST 303
		16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 REBAR	SA2	8	#8 REBAR x 0'-9	ST 400
	DUS		3 1/2 x 2 x 3/8 x 6 7/8	ST298
	DUS2		3 1/2 x 3 x 3/8 x 3'-8 7/8	ST298
CONNECTION BAR	CB1	4	1 x 1'-3'	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	7-15-68	GENERAL	T.M.C.

REF DWG
7-AB3 13.1 & 30 — 7-1-68
7-AB4 13.15 — 5-6-68
7-AB4 42 — 4-1-68
— 10-20-67
7-AB4 2 — 1-3-68
7-AB 2 — 2-5-68
7-AB2 6 — 7-15-68

PANEL DETAILS
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

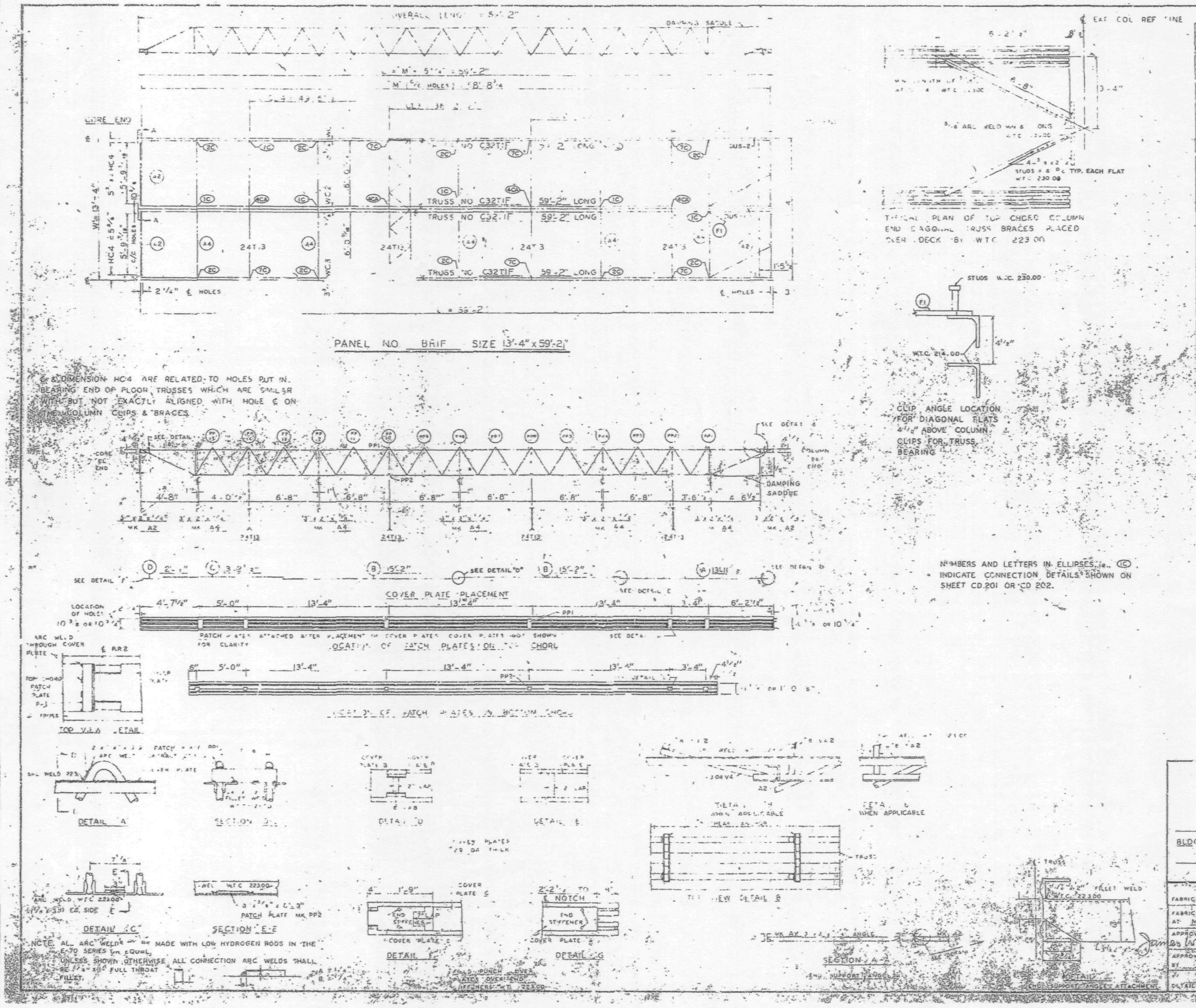
BLDG A FLOORS 10-11 (SOUTH)
PANEL BRIE - 13'-4" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO 7-AB3 6 4-1-68 PLATE	
APPROVED FOR FABRICATION James White FOR PONYA DATE 8/16/68	DRAWN BY DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO. DATE	CHECKED BY J.R.PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER	FABRICATION CONT. NO W.T.C. 221	SHEET NO FP BRIE

WTC1-131-ABS5

0100-0199

WTC1-131-LCCA



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T-F	4	C32T1F - 59'-2"	ST201
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
5" x 2" x 1/4 ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3 x 2" x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2 x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 1/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST299
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

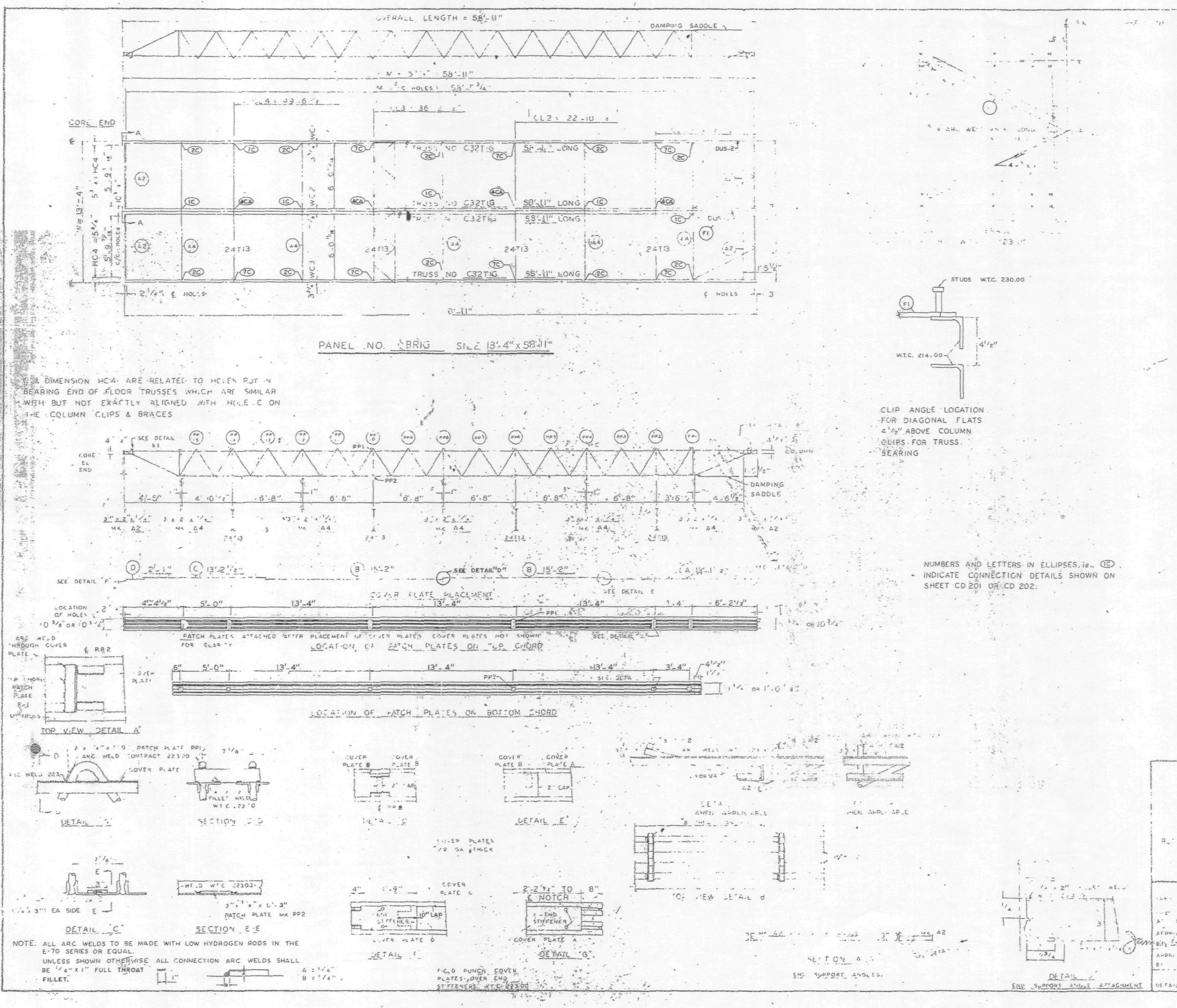
NO.	DATE	REVISION	BY

REF. DRWG	
7-AB4-3,3,1	1-2-68
7-AB4-15-16 & 39	7-22-68
7-AB4-42	10-15-68
SA-24	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 47-48, 70-71(N) & 47-48(S)
PANEL BRIF - 13'-4" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2-6 7-22-68 PLATE
APPROVED FOR FABRICATION James [illegible] FOR P.O.N.Y.A. DATE 11/1/68
DRAWN BY [illegible] DATE 10-22-68
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE 10-22-68
IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP BRIF



& DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG
[illegible]	MK	[illegible]	SIZE	
	[illegible]	4	C32TIG 58'-11"	ST 201G
	[illegible]	4	24T [illegible]	ST 213
	[illegible]	[illegible]	[illegible]	ST 403
	[illegible]	5	[illegible]	ST 403
	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	[illegible]	ST 400
	[illegible]	2	[illegible]	ST 303
	B	4	9" x .0135 x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2½"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
[illegible]	[illegible]	16	2" x 1½" x ¼" x 0'-6"	ST 400
#8 [illegible]	SA2	6	#8 REBAR x [illegible]	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	ST 298
	DUS-2	1	[illegible]	ST 298
CONNECTION BAR	CS1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½" x 3/8" x 6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	4	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	7-15-68	GENERAL	T.M.C.

NEW YORK AUTHORITY

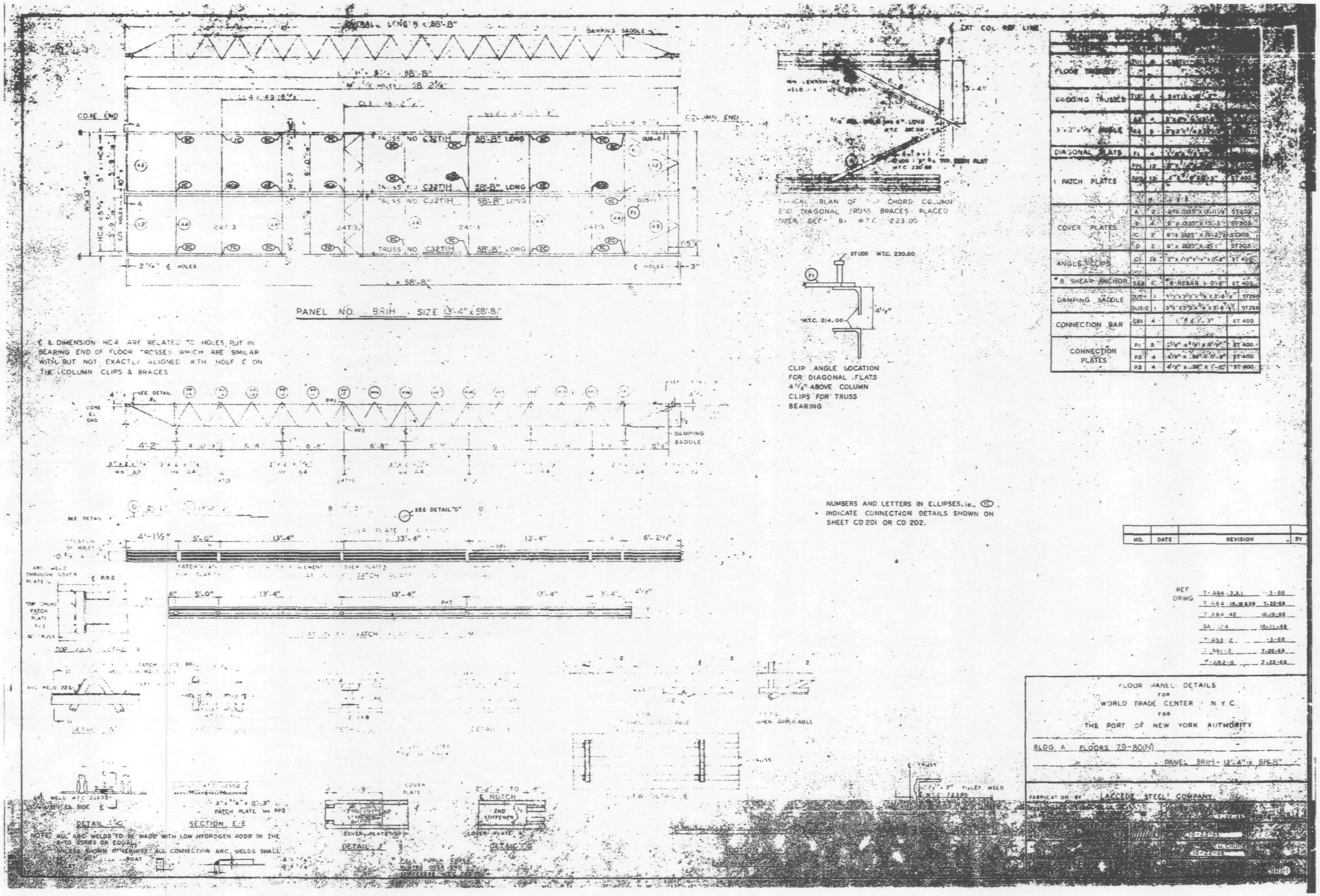
[illegible] 10-11, 39 [illegible] 39-40 [illegible]

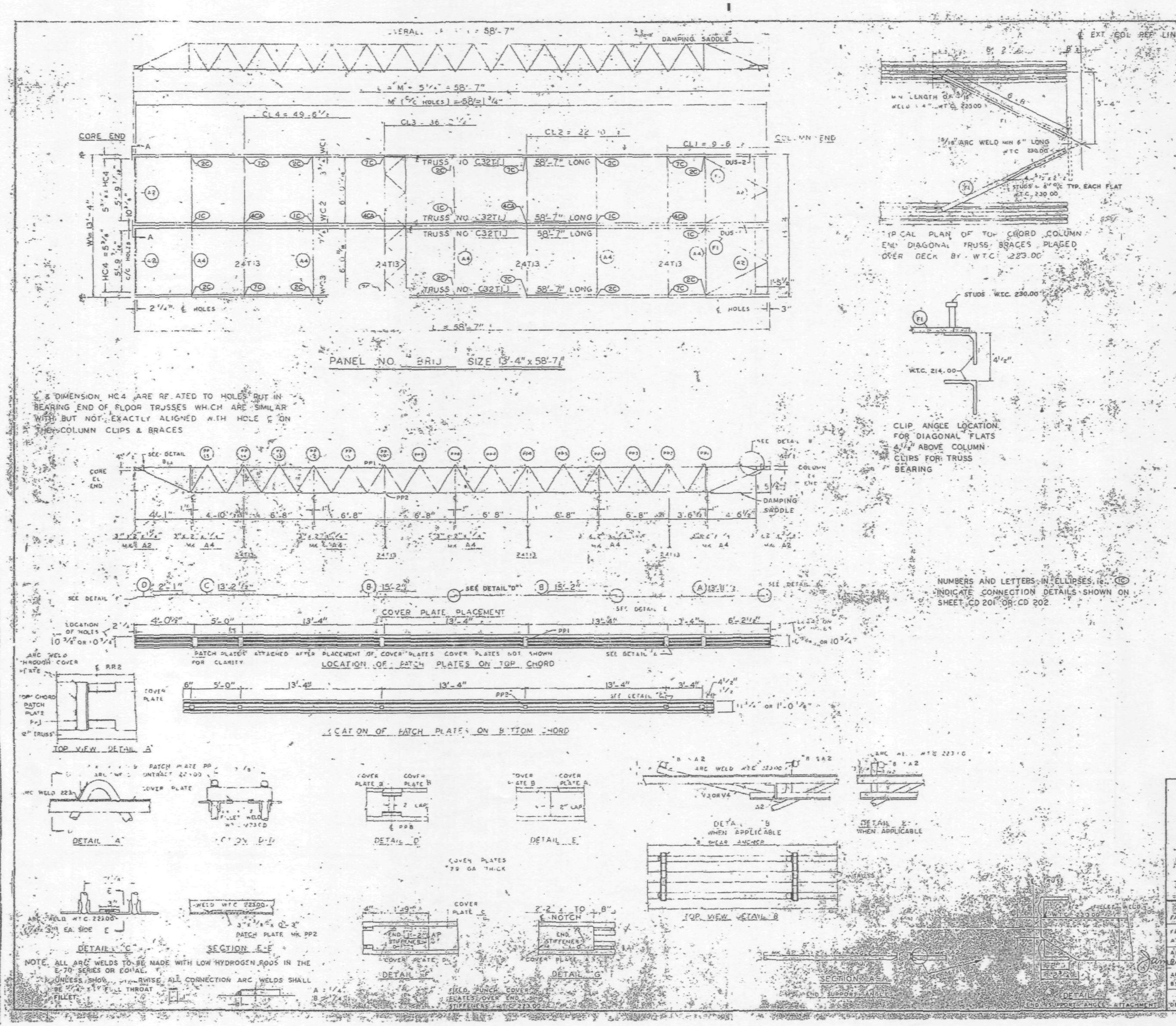
PANEL 8BRIG 13'-4" x 58'-11"

LACLEDE STEEL COMPANY

MADISON, ILLINOIS

APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE 8/16/68	DESIGN DRAWING NO. 4-1-68 PLATE
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	DRAWN BY [illegible] DATE FEB 24, 1968
DETAILED BY A.C. WEBER	CHECKED BY J.S. PAIN DATE FEB 24, 1968 — IN CHARGE OF PROD. DEV.
	FABRICATION CONT NO. 221 — SHEET NO. FP BRIG


OVERALL LENGTH 58'-8"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO. C32T1H 58'-8" LONG
TRUSS NO. C32T1H 58'-8" LONG
TRUSS NO. C32T1H 58'-8" LONG
PANEL NO. BR1H SIZE 13'-4" x 58'-8"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
A 2 9" x .0135" x 13'-11 1/2" ST303
B 4 9" x .0135" x 15'-2" ST303
C 2 9" x .0135" x 13'-2 1/2" ST303
D 2 9" x .0135" x 2'-1" ST303
ANGLE CLIPS
C1 16 2" x 1 1/2" x 1/4" x 0'-6" ST 400
#8 SHEAR ANCHOR SA2 6 #8 REBAR x 0'-9" ST 400
DAMPING SADDLE
DUS-1 1 3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8" ST298
DUS-2 1 3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8" ST298
CONNECTION BAR CB1 4 1" ϕ x 1'-3" ST 400
CONNECTION PLATES
P1 5 ST 400
P2 4 4 1/2" x .30" x 0'-9" ST 400
P3 4 4 1/2" x .30" x 1'-0" ST 400
DAMPING SADDLE
NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
NO. DATE REVISION BY
REF DRWG
7-A84-42 10-15-68
SA-124 10-11-68
7-A81-2 7-22-68
7-A82-8 7-22-68
PATCH PLATE
SECTION E-E
DETAIL "C"
DETAIL "F"
DETAIL "G"
NOTCH
END STIFFENER
COVER PLATE
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER · N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 79-80(N)
PANEL BR1H 13'-4" x 58'-8"
FABRICATION BY LACLEDE STEEL COMPANY
10-22-68
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIJ	4	C32TIJ - 58'-7"	ST201J
BRIDGING TRUSSES	TI3	4	24TI3 - 13'-3"	ST213
3" x 2" x 1/4" ANGLE	A2	24	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	5	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 1'-6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4 3,3,1	1-3-68
7-AB4-15,16 & 39	7-22-68
7-AB4-42	10-15-68
SA 124	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40(N)

PANEL BRIJ 3'-4" x 58'-7"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE

APPROVED FOR FABRICATION [signature] FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY DATE 10-22-68

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

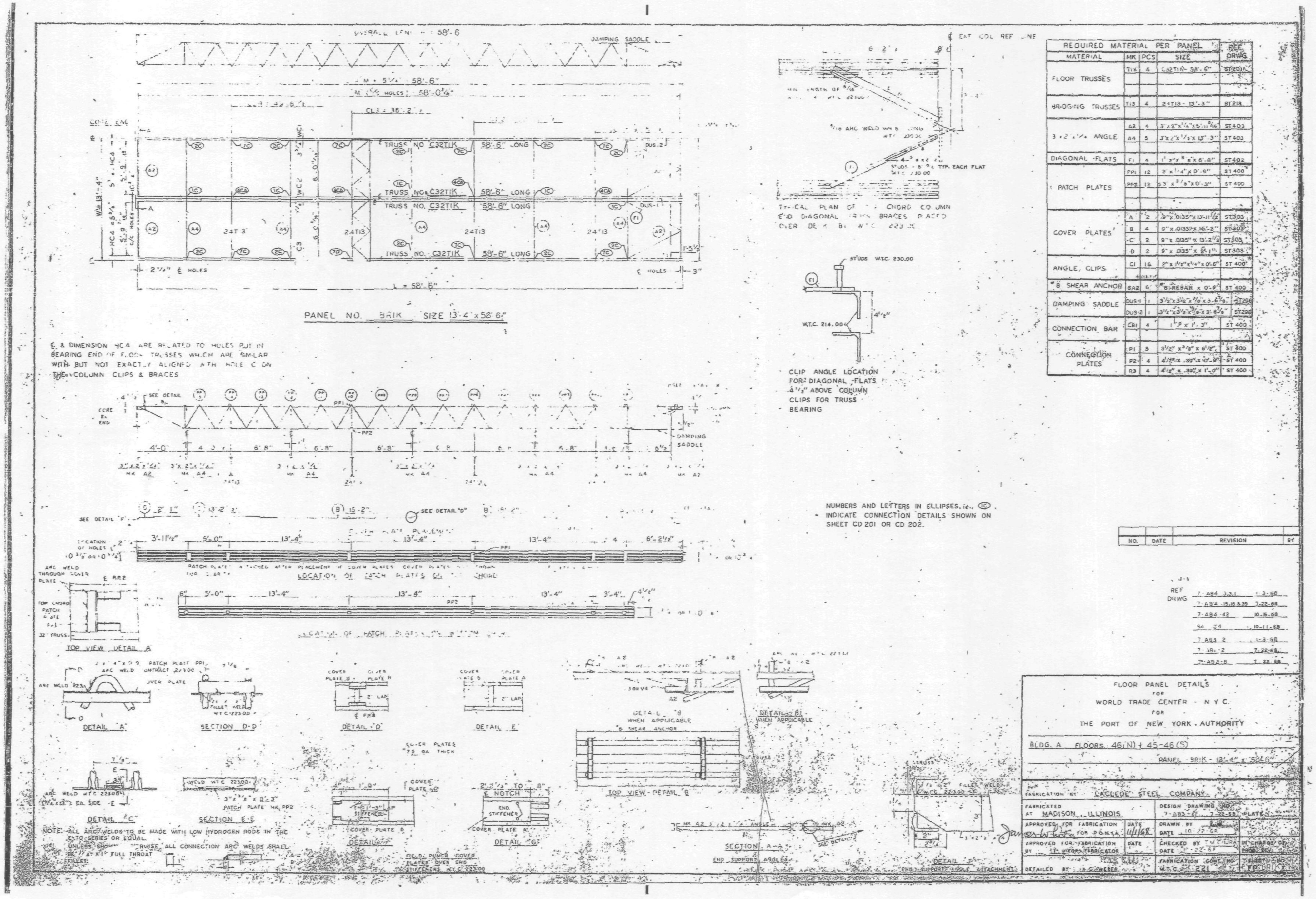
CHECKED BY T.M. CHURA DATE 10-22-68

IN CHARGE OF PROD.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO.



PANEL NO. BRIK SIZE 13'-4" x 58'-6"

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	4	C32T1K - 58'-6"	ST201K
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3 x 2 x 1/4 ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE, CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 5/8" x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

TYPICAL PLAN OF CHORD COLUMN END DIAGONAL BRACES PLACED OVER DECK BY W.T.C. 223.00

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3,3,1	1-3-68
7-AB4-15,18 & 39	7-22-68
7-AB4-42	10-15-68
SA 24	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-B	7-22-68

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46(N) + 45-46(S)

PANEL BRIK - 13'-4" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6? 7-22-68

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY [illegible] DATE 10-22-68

APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

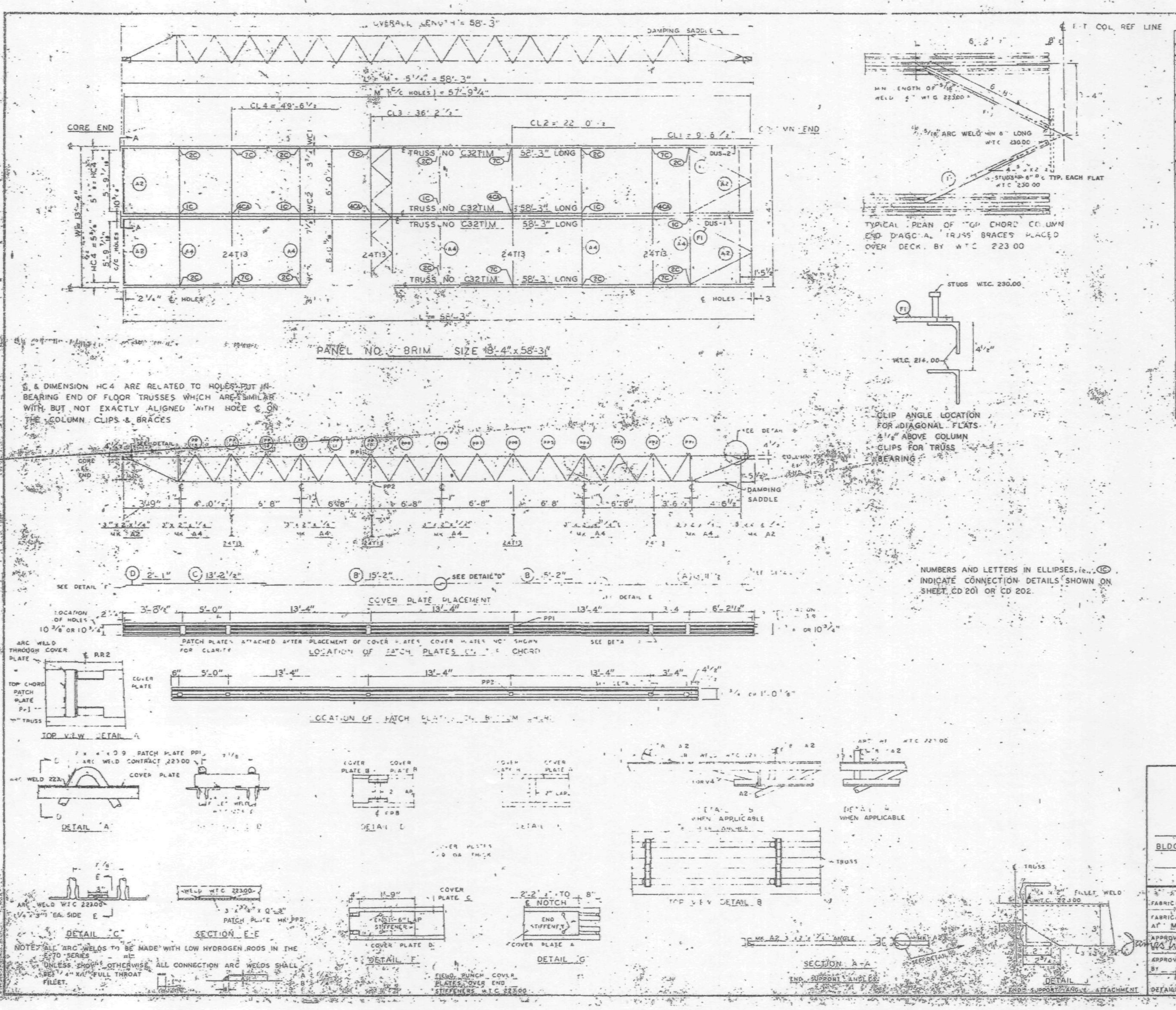
CHECKED BY T.M. CHURA DATE 10-22-68

IN CHARGE OF PROD. DIV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FD BRIK



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1M	4	C32T1M- 58'-3"	ST201V
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	14	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x 1/4"x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A1	2	9"x .0135"x 13'-11 1/2"	ST303
	B	4	9"x .0135"x 15'-2"	ST303
	C	2	9"x .0135"x 13'-2 1/2"	ST303
	D	2	9"x .0135"x 2'-1"	ST303
ANGLE CLIPS	C1	16	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	[illegible]	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	[illegible]	4 1/2"x .339"x 0'-9"	ST 400
	P3	4	4 1/2"x .339"x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7 AB4 3.3	1-3-68
7 AB4 13,16 & 39	7-22-68
7 AB4 42	10-15-68
[illegible]	10-11-68
7 AB3-2	1-3-68
7 AB1-2	7-22-68
7 AB2 6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73(N)

PANEL BRIM- 13'-4" x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY [illegible] DATE 10-22-68

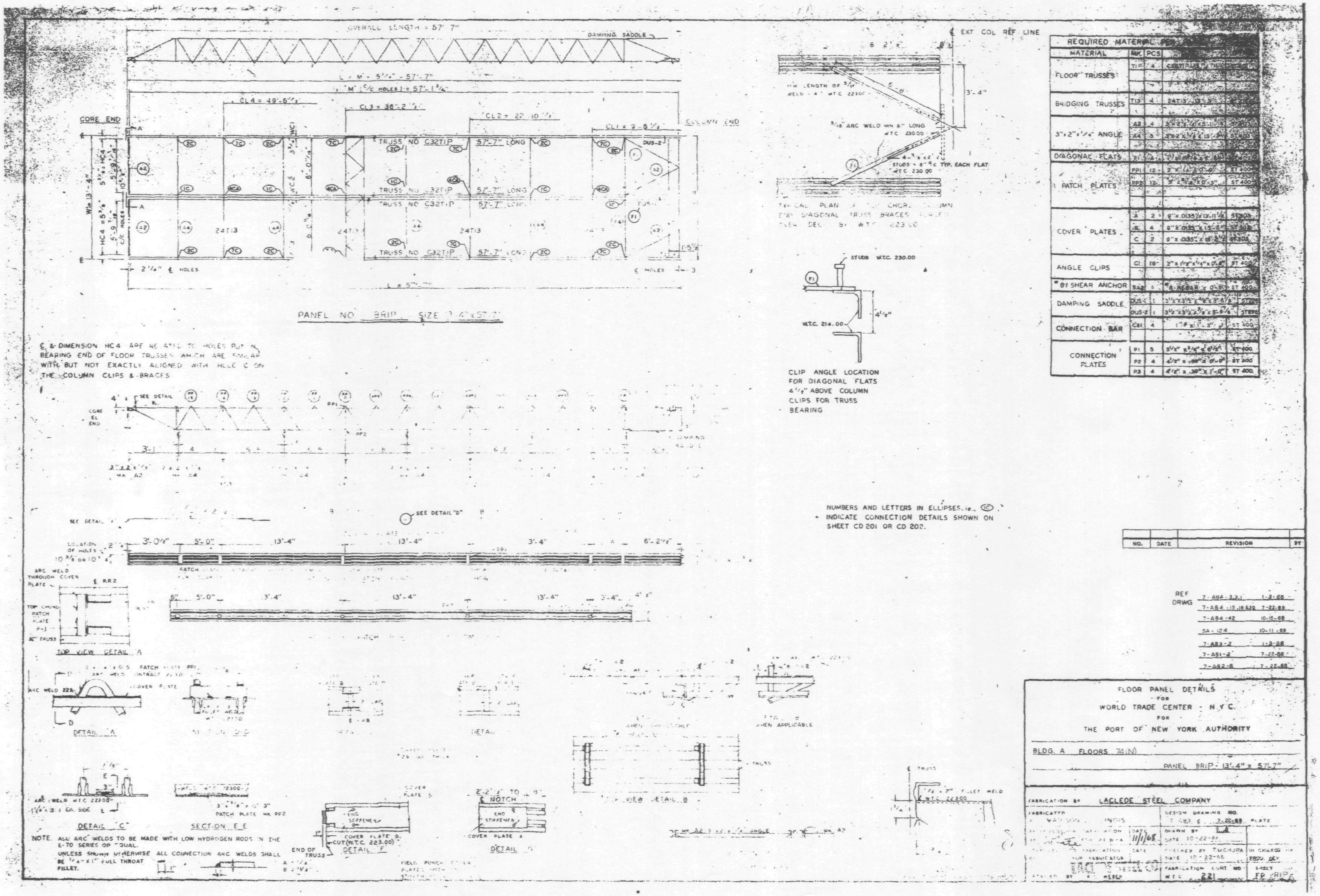
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

CHECKED BY TM CHURA DATE 10-22-68

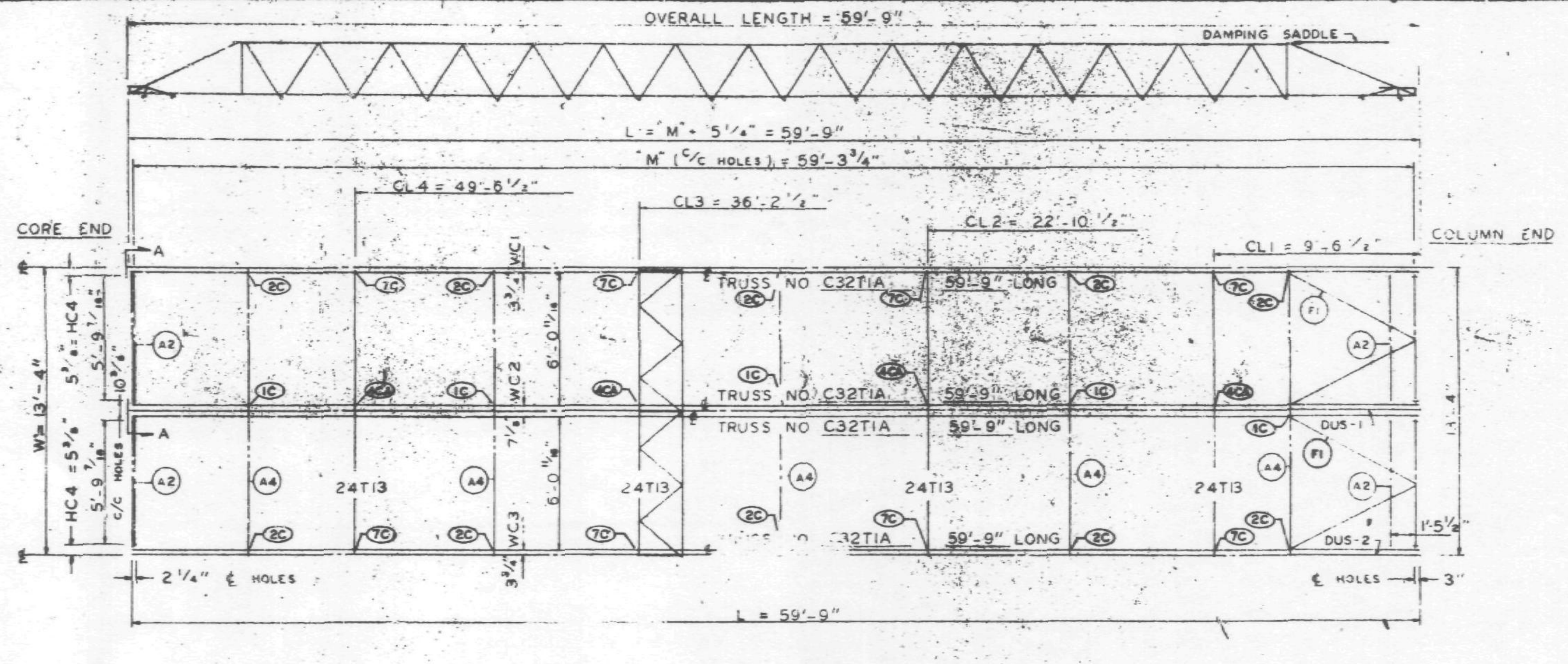
DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FD-9RI

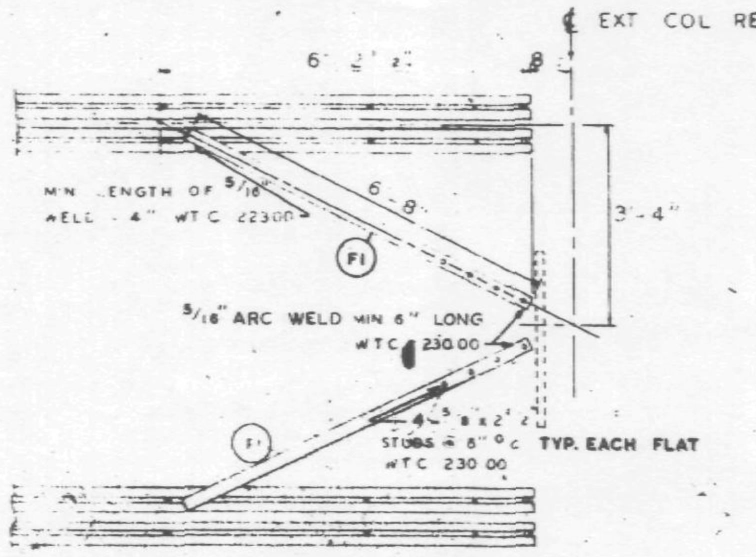


OVERALL LENGTH = 57'-7"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO. C32T1P 57'-7" LONG
PANEL NO. BRIP SIZE 13'-4" x 57'-7"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES
℄ EXT COL REF LINE
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
REQUIRED MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x1/4" ANGLE
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
NO. DATE REVISION BY
REF DRWG
7-AB4-42 10-15-68
5A-124 10-11-68
7-AB3-2 1-3-68
7-AB1-2 7-22-68
7-AB2-8 7-22-68
TOP VIEW DETAIL A
DETAIL A
DETAIL C
SECTION E-E
DETAIL F
DETAIL G
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74(N)
PANEL BRIP - 13'-4" x 57'-7"
FABRICATION BY LACLEDE STEEL COMPANY
DESIGN DRAWING NO.
DATE 11/1/68
DRAWN BY
DATE 10-22-68
CHECKED BY TMCHURA
DATE 10-22-68
FABRICATION CONT NO. WTC 221
SHEET FP BRIP

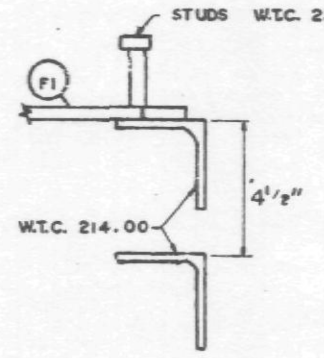


PANEL NO. B1A SIZE 13'-4" x 59'-9"

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

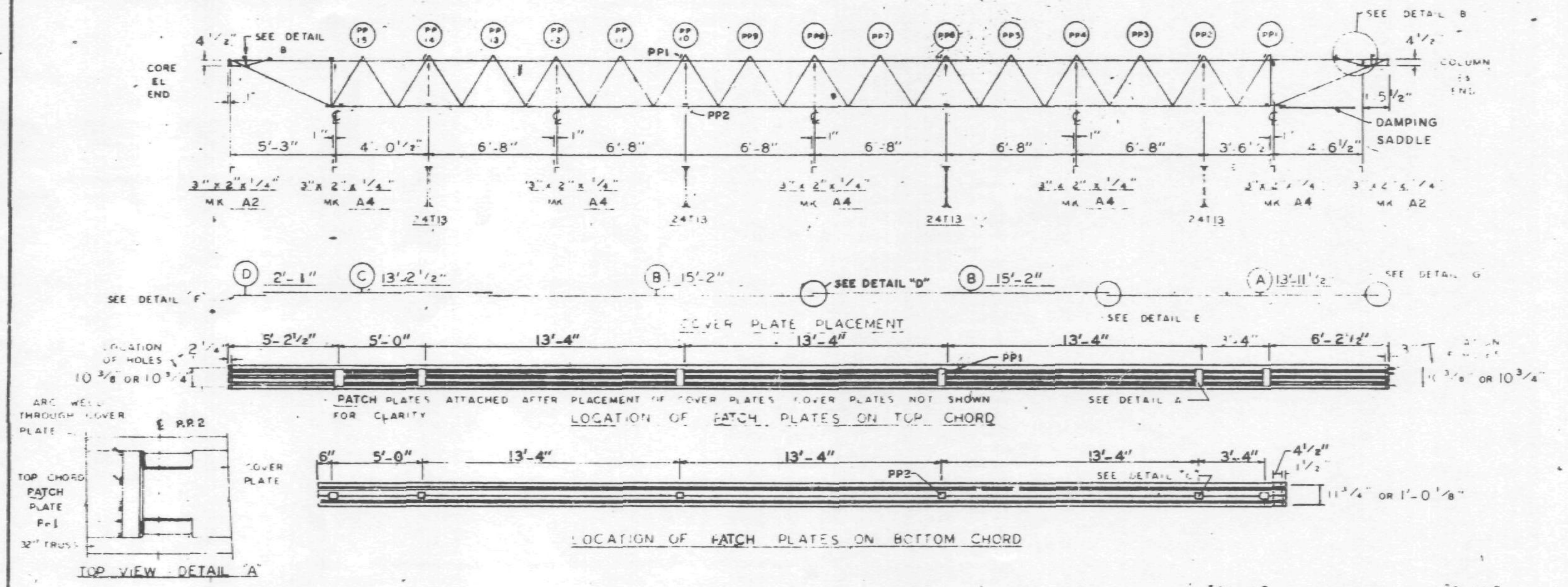


TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1A	4	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x 1/4"x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x 13'-11 1/2"	ST303
	B	4	9"x.0135"x 15'-2"	ST303
	C	2	9"x.0135"x 13'-2 1/2"	ST303
	D	2	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	15	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

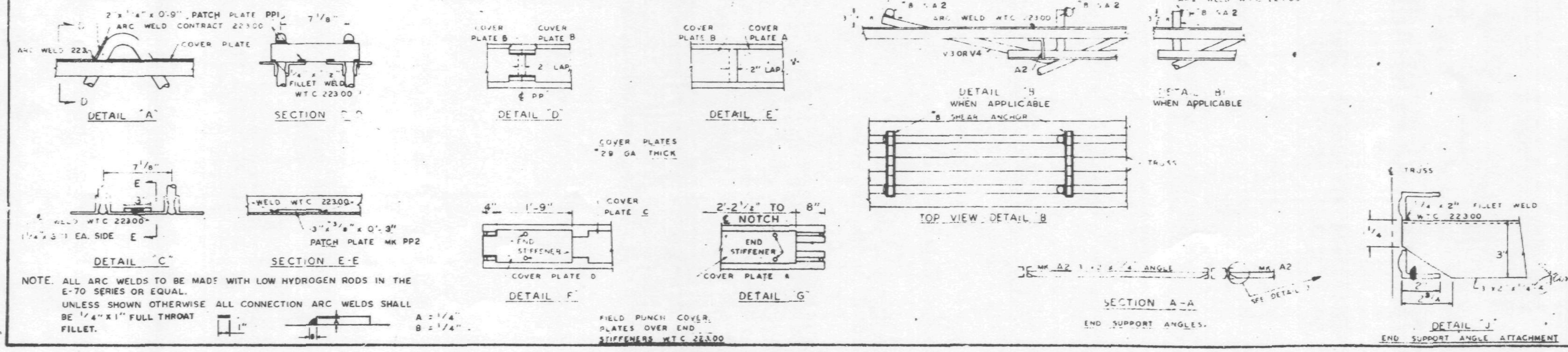


NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NO.	DATE	REVISION	BY
1	7-15-68	GENERAL	T.M.C.

REF DRWG

7-AB4-3,3.1 & 30	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-5-68
7-AB2-8	2-15-68



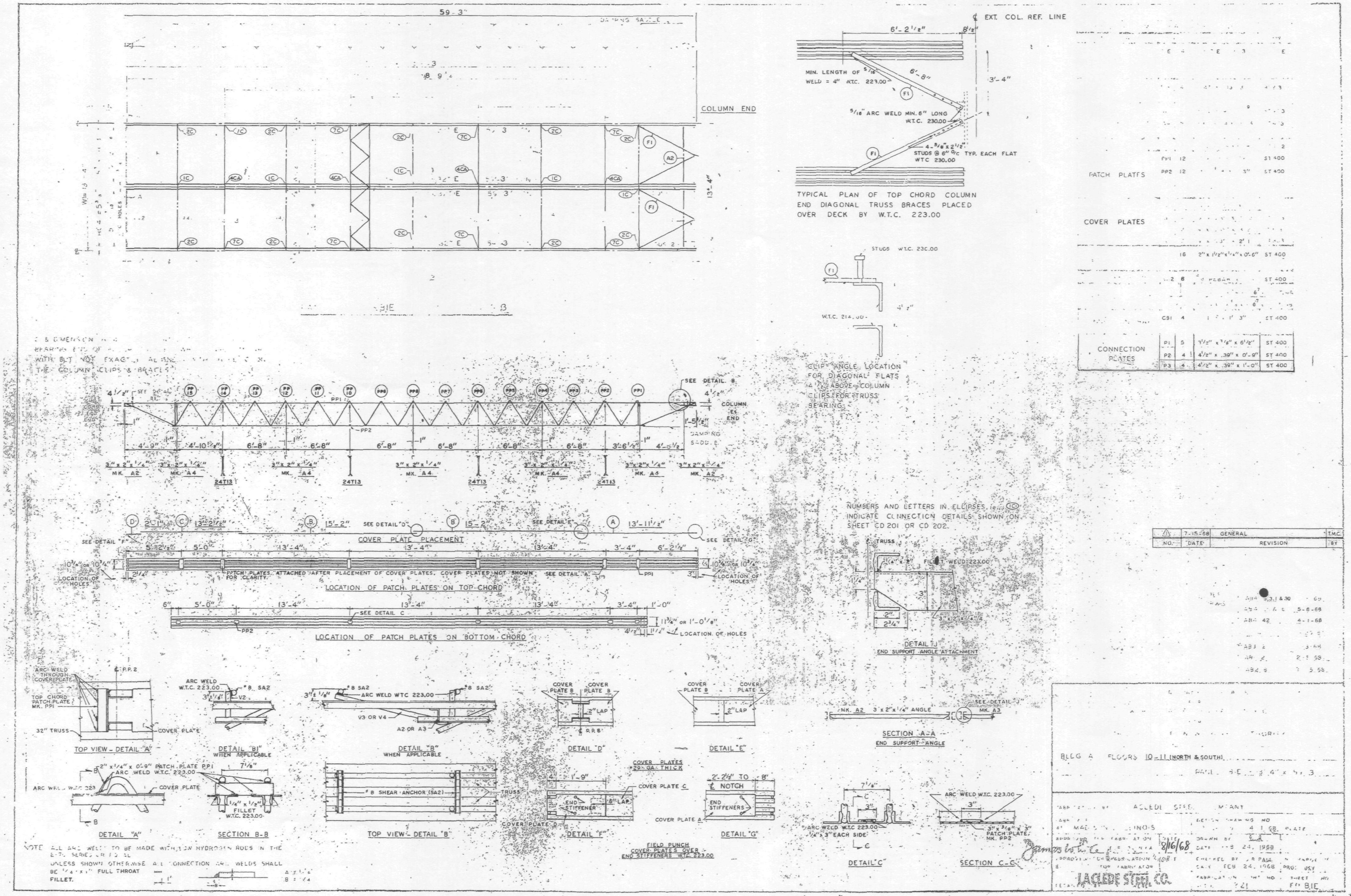
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00

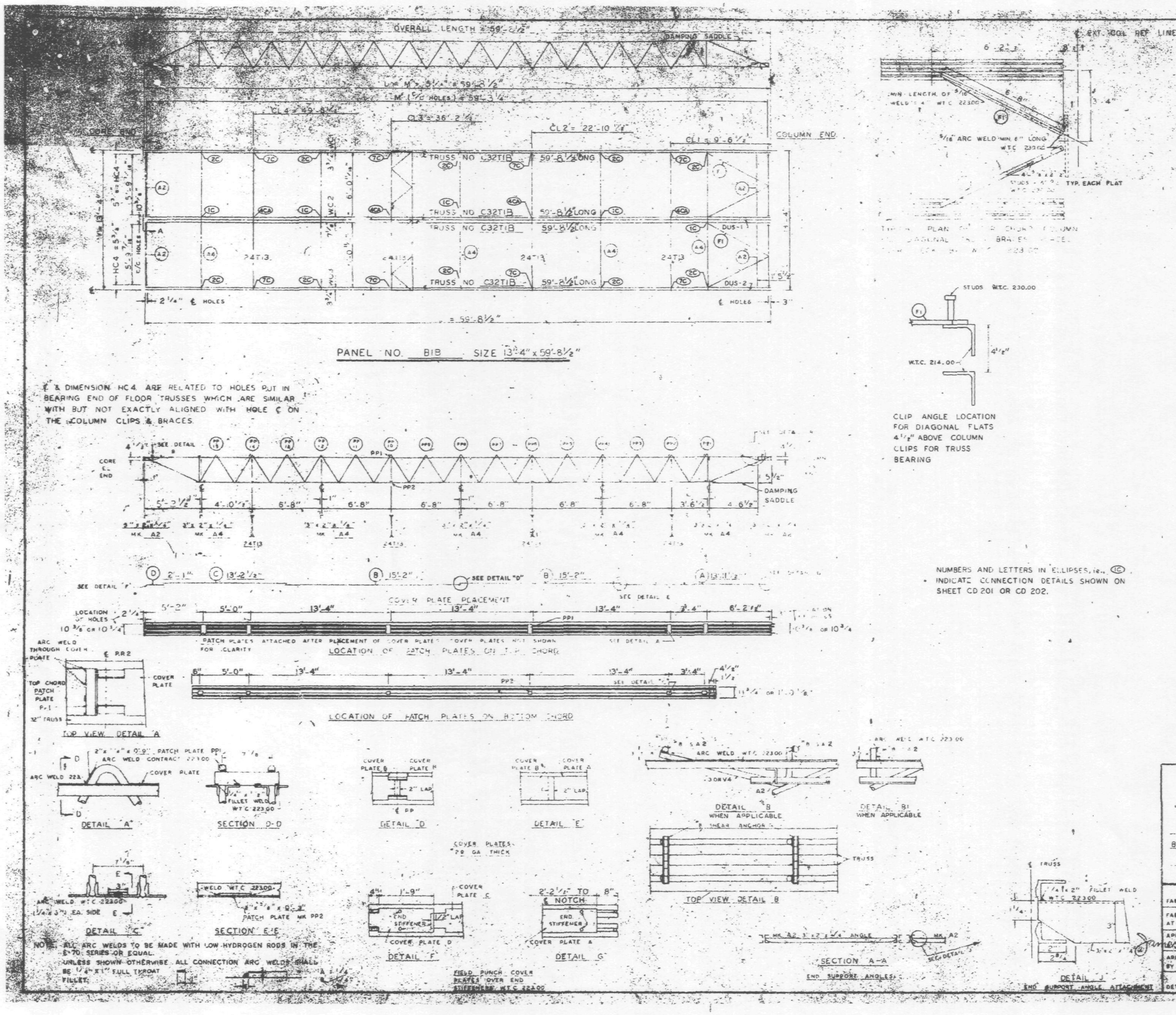
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68
69 (NORTH) PANEL B1A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE	
APPROVED FOR FABRICATION FOR PONYA	DATE 8/16/68	DRAWN BY DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY [redacted] FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP B1A



59'-3"
COLUMN END
13'-4"
¢ EXT. COL. REF. LINE
6'-2 1/2"
8 1/2"
6'-8"
3'-4"
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
5/16" ARC WELD MIN. 8" LONG W.T.C. 230.00
STUDS @ 6" O/C TYP. EACH FLAT W.T.C. 230.00
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
PATCH PLATES
COVER PLATES
CONNECTION PLATES
P1 5 3 1/2" x 3/8" x 6 1/2" ST 400
P2 4 4 1/2" x .39" x 0'-9" ST 400
P3 4 4 1/2" x .39" x 1'-0" ST 400
SEE DETAIL B
COLUMN END
DAMPING SADDLE
4'-9"
4'-10 1/2"
6'-8"
3'-6 1/2"
4'-0 1/2"
3" x 2" x 1/4" MK. A2
3" x 2" x 1/4" MK. A4
24T13
NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
COVER PLATE PLACEMENT
13'-4"
15'-2"
13'-11 1/2"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
7-15-68 GENERAL
NO. DATE REVISION BY
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
MK. A2 3" x 2" x 1/4" ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
#8 SHEAR ANCHOR (SA2)
COVER PLATES 29 GA. THICK
DETAIL "F"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
ARC WELD W.T.C. 223.00
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1 1/2" FULL THROAT FILLET.
BLDG A FLOORS 10-11 (NORTH & SOUTH)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
8/16/68
DATE FEB 24, 1968
FEB 24, 1968
LACLEDE STEEL CO.
B1E



NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1B	4	C32T1B - 59'-8 1/2"	ST201B
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4"x13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x8'-8"	ST402
PATCH PLATES	PP1	12	2"x[illegible]x0'-9"	ST 400
	PP2	12	3"x[illegible]x0'-3"	ST 400
[illegible] PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE [illegible]	[illegible]	16	[illegible]x0'-6"	ST 400
[illegible] SHEAR ANCHOR	SA2	8	[illegible]x0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x[illegible]x3'-3 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"[illegible]x1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x8 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400

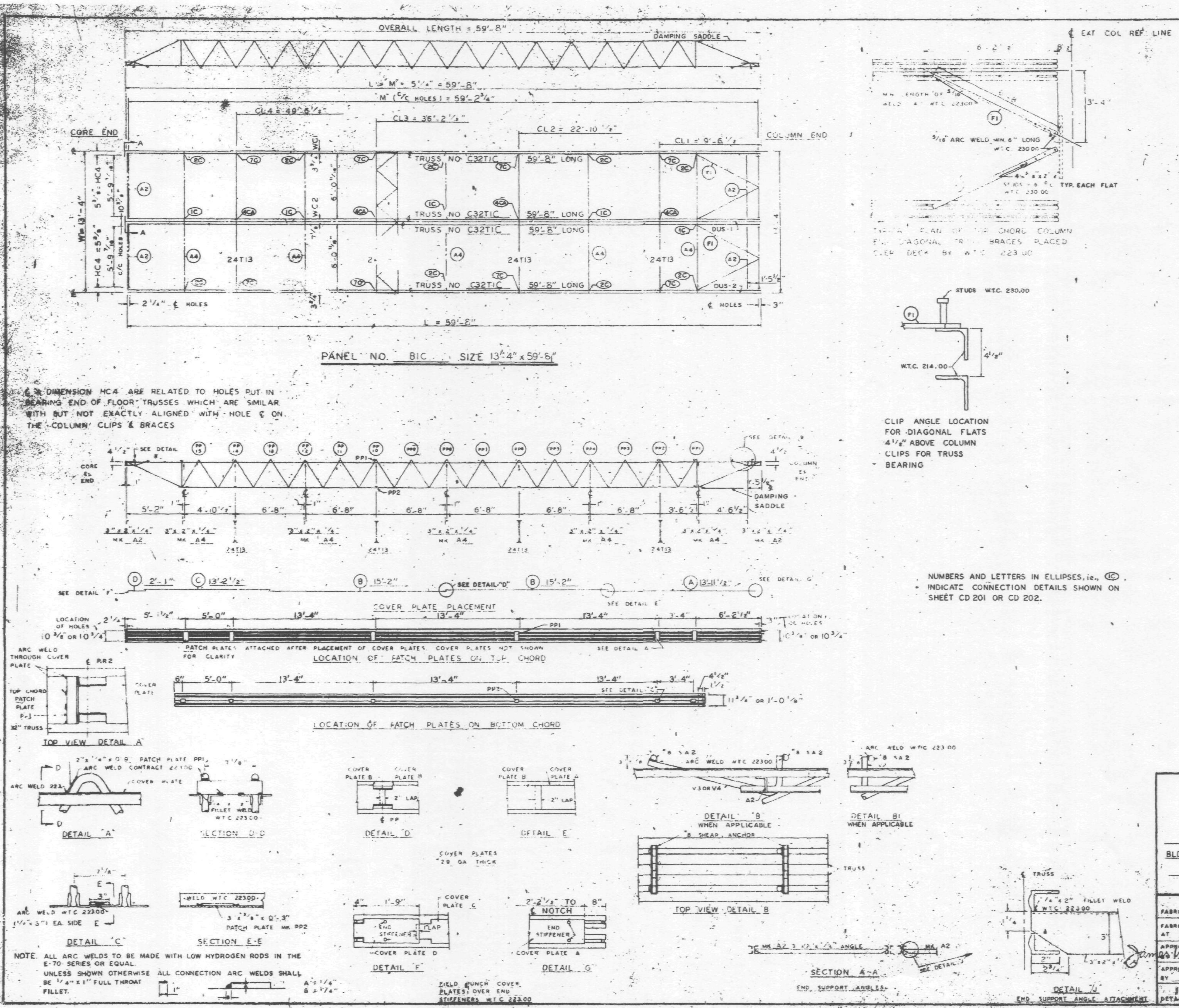
NO.	DATE	REVISION	BY

REF. DRAWINGS
[illegible] 1-3-68
[illegible] 5-6-68
[illegible] 42 4-1-68
[illegible] 24 10-20-67
7-A83-2 1-3-68
7-A81-2 2-15-68
7-A82-6 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (N)
PANEL B1B - 13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-5 4-1-68 PLATE
APPROVED FOR FABRICATION [signature] FOR PONYA DATE 10/23/68
DRAWN BY [illegible] DATE OCT. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. [illegible] DATE OCT. 5, 1968
IN CHARGE OF PROD. [illegible]
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B1B



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

NUMBERS AND LETTERS IN ELLIPSES, ie., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1C	4	C32T1C - 59'-8"	ST201C
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x 1/4"x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x .0135"x 13'-11 1/2"	ST303
	B	4	9"x .0135"x 15'-2"	ST303
	C	2	9"x .0135"x 13'-2 1/2"	ST303
	D	2	9"x .0135"x 2'-1"	ST303
ANGLE CLIPS	C1	16	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

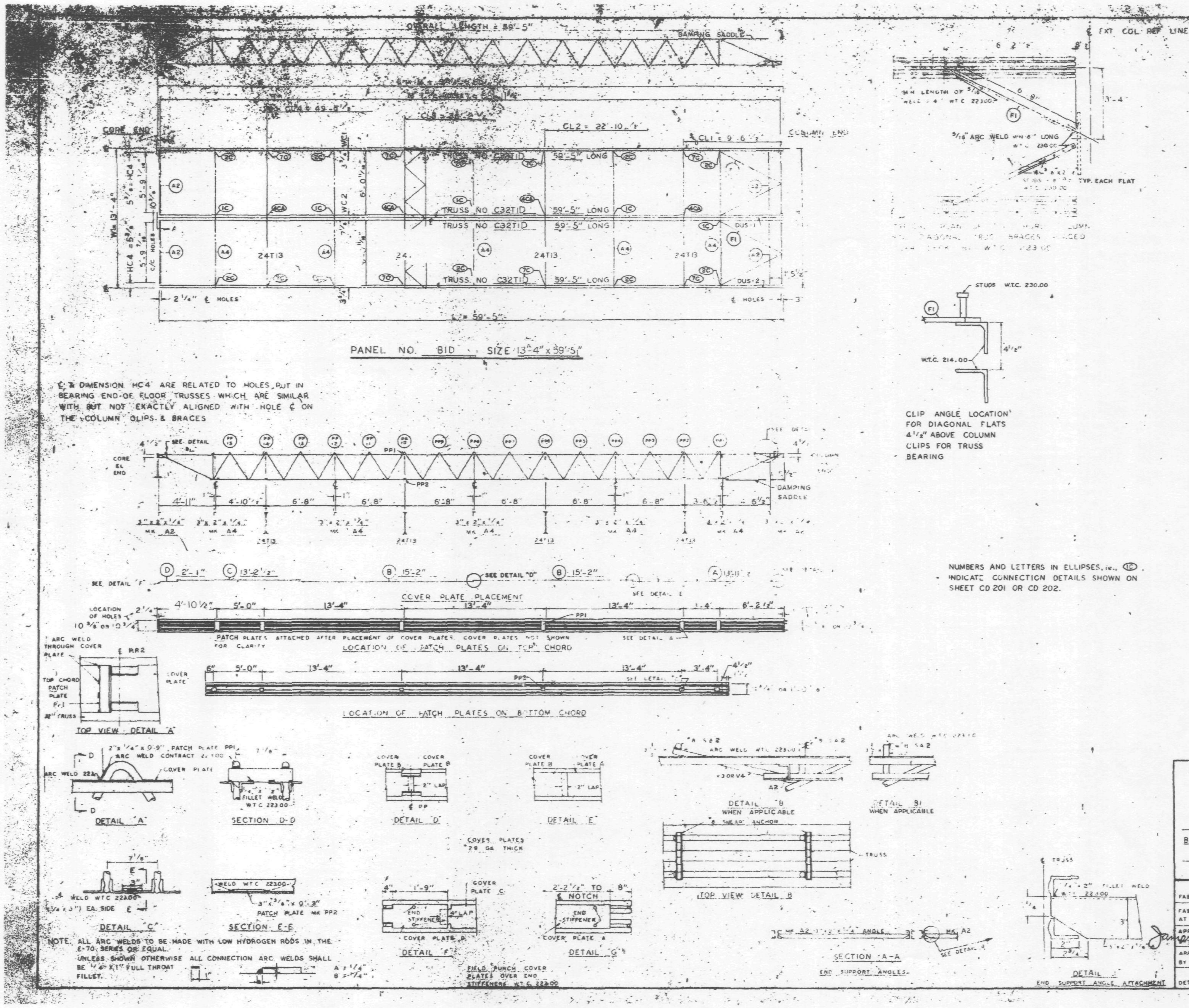
7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60-66, 68-74, 79-91, 93-(?)

PANEL B1C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 10/23/68
DRAWN BY DATE OCT 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHIURA DATE 1968
IN CHARGE OF
DETAILED BY
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B1C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1D	4	C32T1D - 59'-5"	ST201D
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-8"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x 1/4" x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x .0135"x 13'-11 1/2	ST 303
	B	4	9" x .0135 x 13'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/8" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

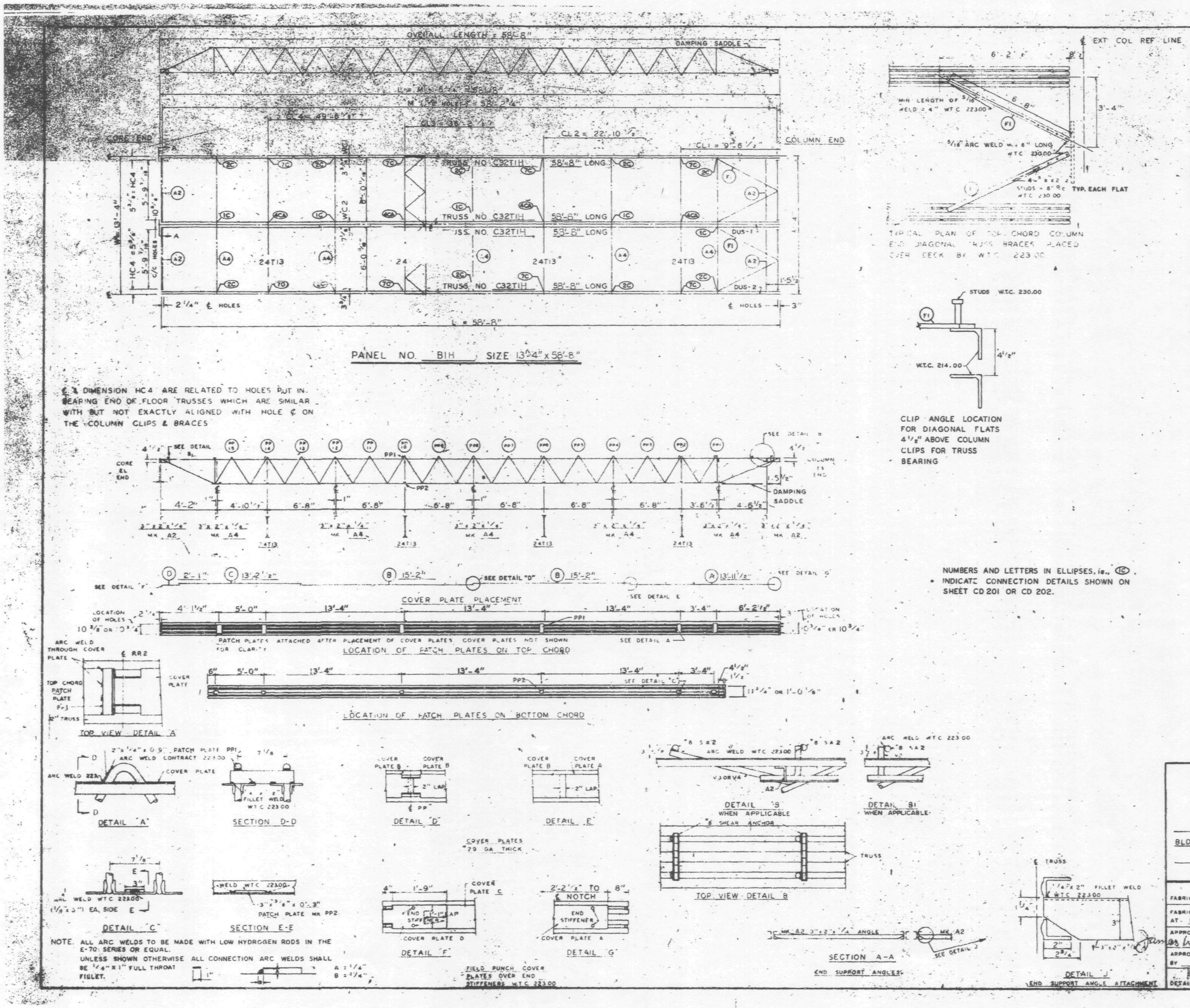
NO.	DATE	REVISION	BY

REF. DRWG.
7-AB4 3,3A,4,39 4-1-68
7-AB4 15,16 5-6-68
7-AB4 42 4-1-68
7A 124 10-20-67
7-AB3 2 3-68
7-AB1 2 2-5-68
7-AB2 5 5-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 N
PANEL B1D 13'-4" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 10/23/68
DRAWN BY
DATE OCT. 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE OCT. 15, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.G. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET / NO. FP B1D



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1H	4	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST23
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4 3,3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-5-68
7-AB2-8	2-15-68

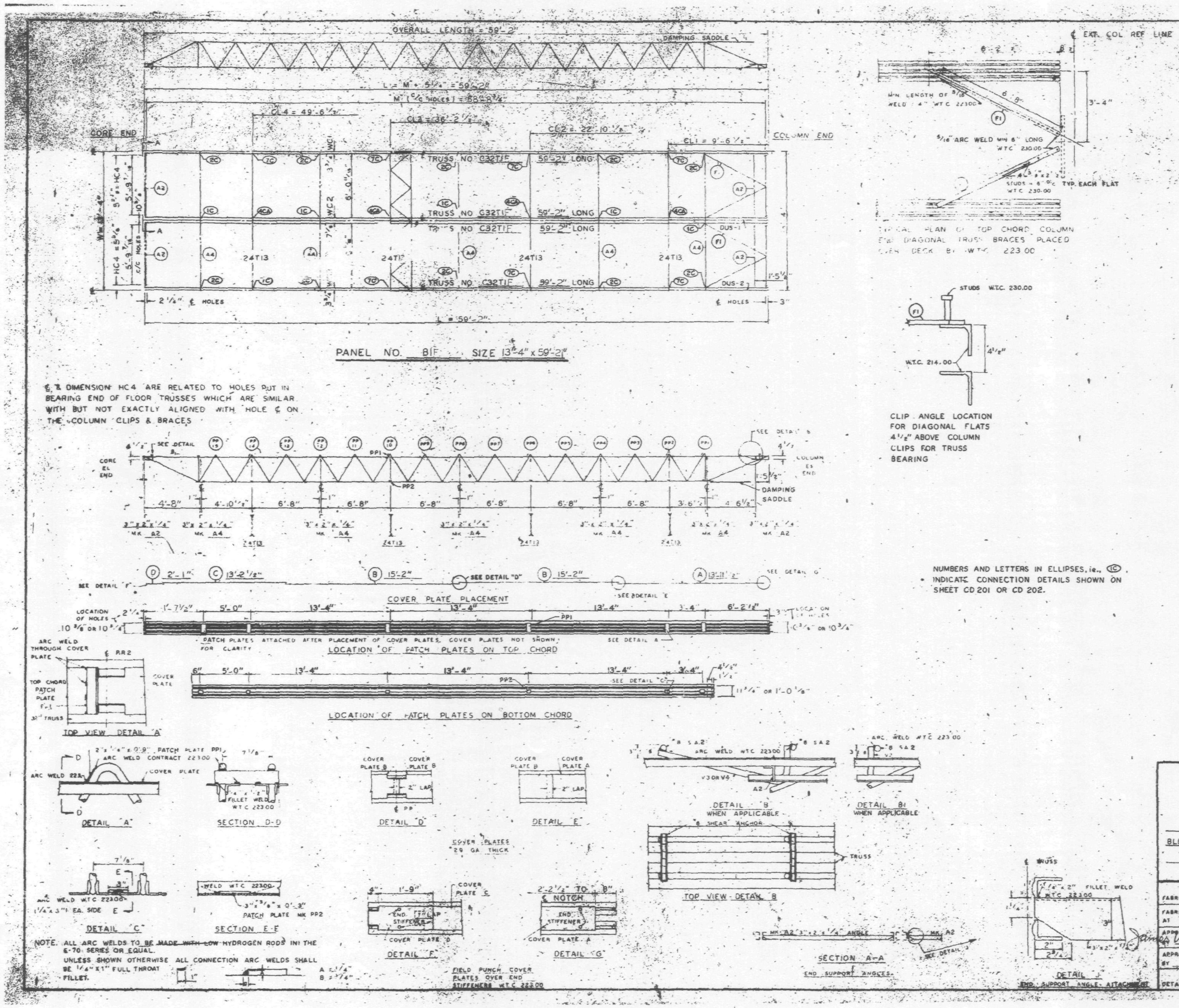
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80(N)

PANEL B1H - 13'-4" x 58'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT- MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE	
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 10/23/68	DRAWN BY [illegible] DATE OCT. [illegible] 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY [illegible] DATE OCT. [illegible] 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP B1



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, ie., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS	SIZE	REF. DRWG
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPIN SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

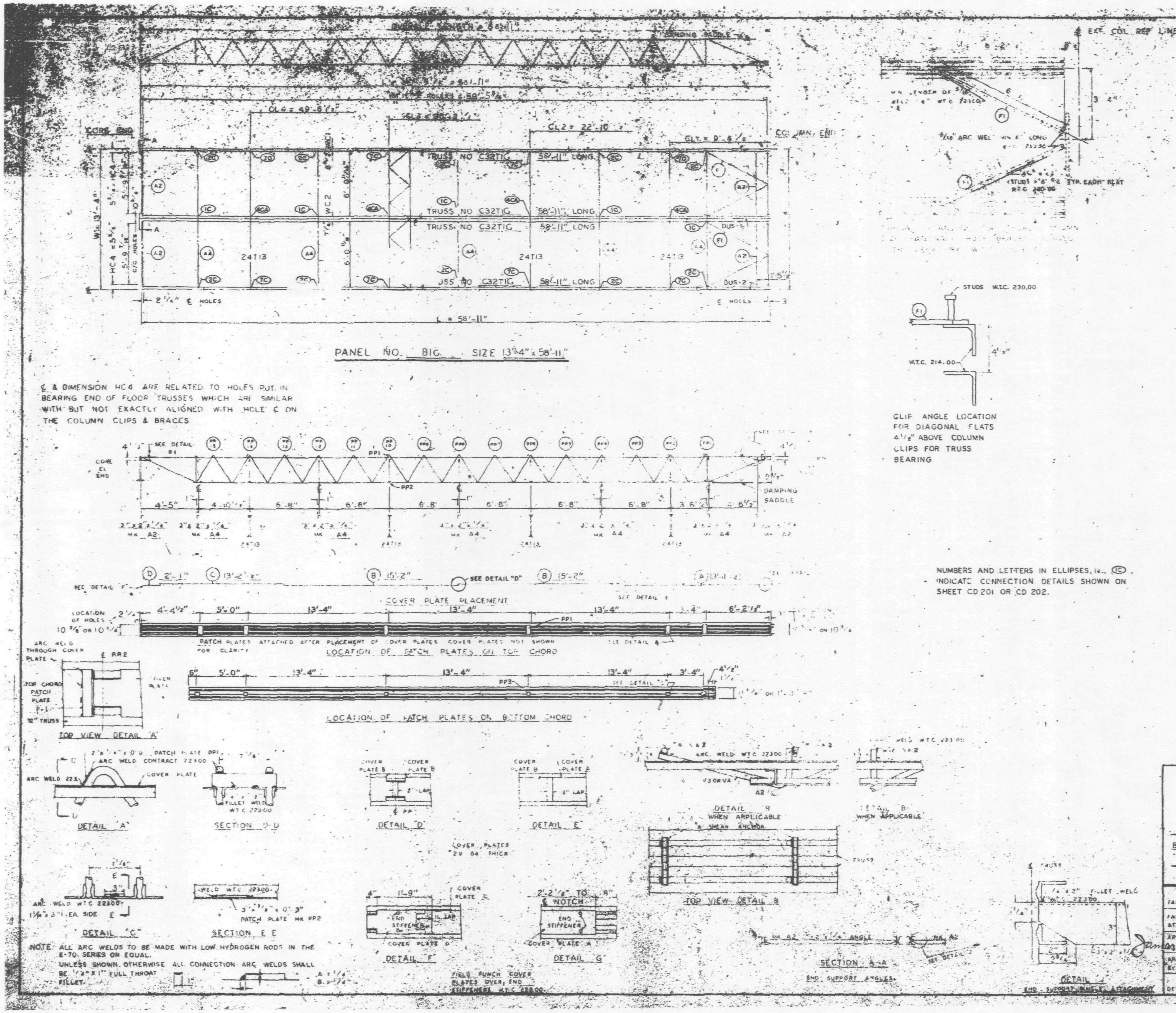
REF DRWG

7-AB4-3,3,1 & 20	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48(S) + 47-48, 70-71(N)
PANEL B1F - 13'-4" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A James White DATE 10/23/68
DRAWN BY DATE OCT 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.V. CHUP DATE OCT 15, 1968 IN CHARGE OF
LACLEDE STEEL CO
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221 SHEET NO. B1F



REQUIRED MATERIAL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	4	C32T1G - 58'-11"	ST 201G
BRIDGING TRUSSES	T13	4	BAT13 - 13'-3"	ST 213
3" x 2" x 1/4" ANGLE	A8	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	3" x 1/4" x 0'-8"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x 0.135" x 13'-4 1/2"	ST 303
	B	2	9" x 0.135" x 15'-2"	ST 303
	C	2	9" x 0.135" x 13'-2 1/2"	ST 303
	D	2	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

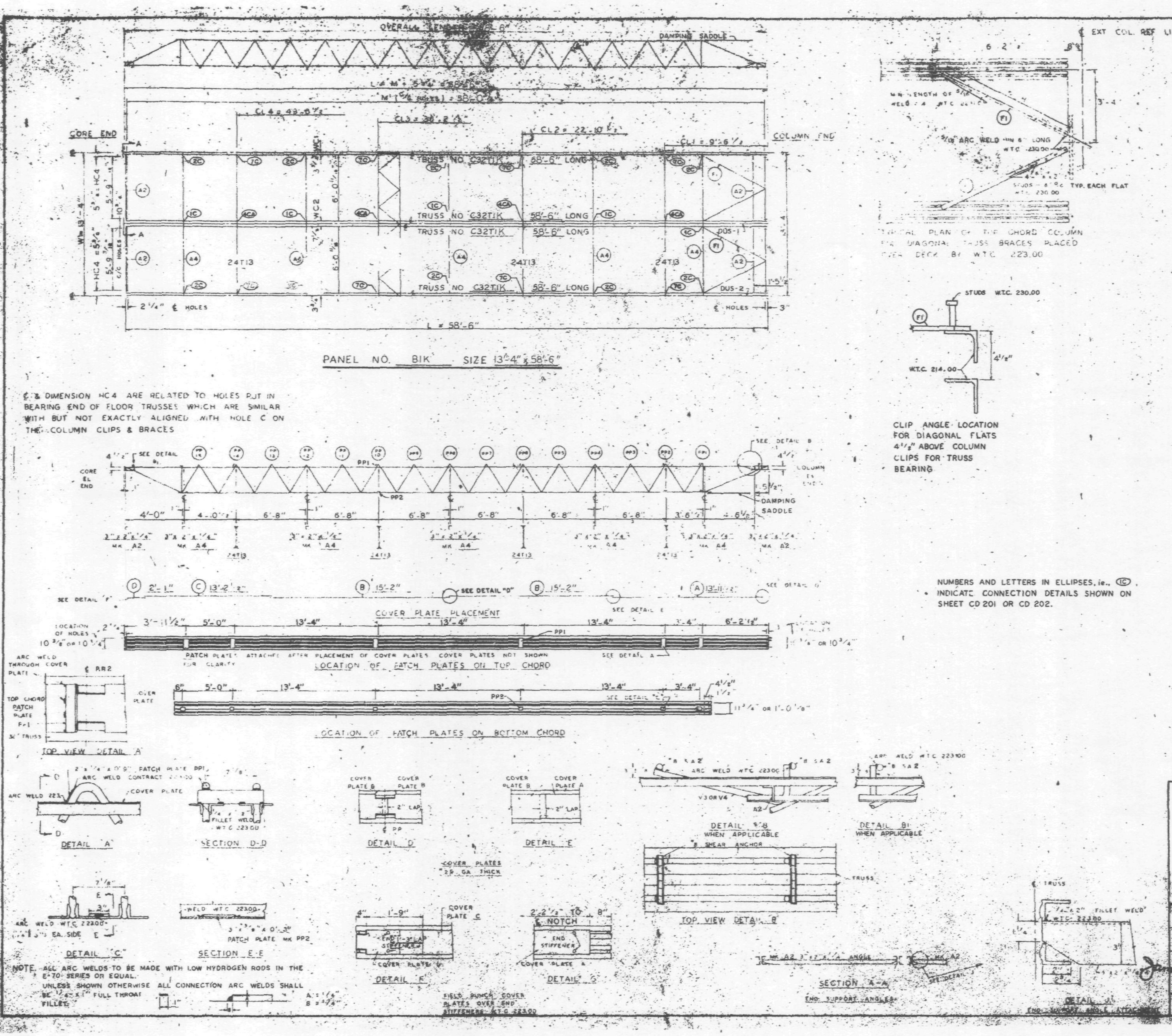
NO.	DATE	REVISION	BY

REF DRWGS
7-AB4 ... 1-3-68
7-AB4 ... 5-6-68
7-AB4 42 4-1-68
SA 124 9-20-67
7-AB3 2 1-3-68
7-AB1 2 2-5-68
7-AB2 9 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (NORTH & SOUTH)
PANEL B1G - 13'-4" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION FOR PONYA James White DATE 10/23/68
DRAWN BY [illegible] DATE OCT. 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY J.M. ... DATE OCT. 15, 1968
IN CHARGE OF PROD. DEPT.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. WTC 221
SHEET NO. FP B1G



NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	B1K	4	C32T1K x 58'-6"	ST201K
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 8'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

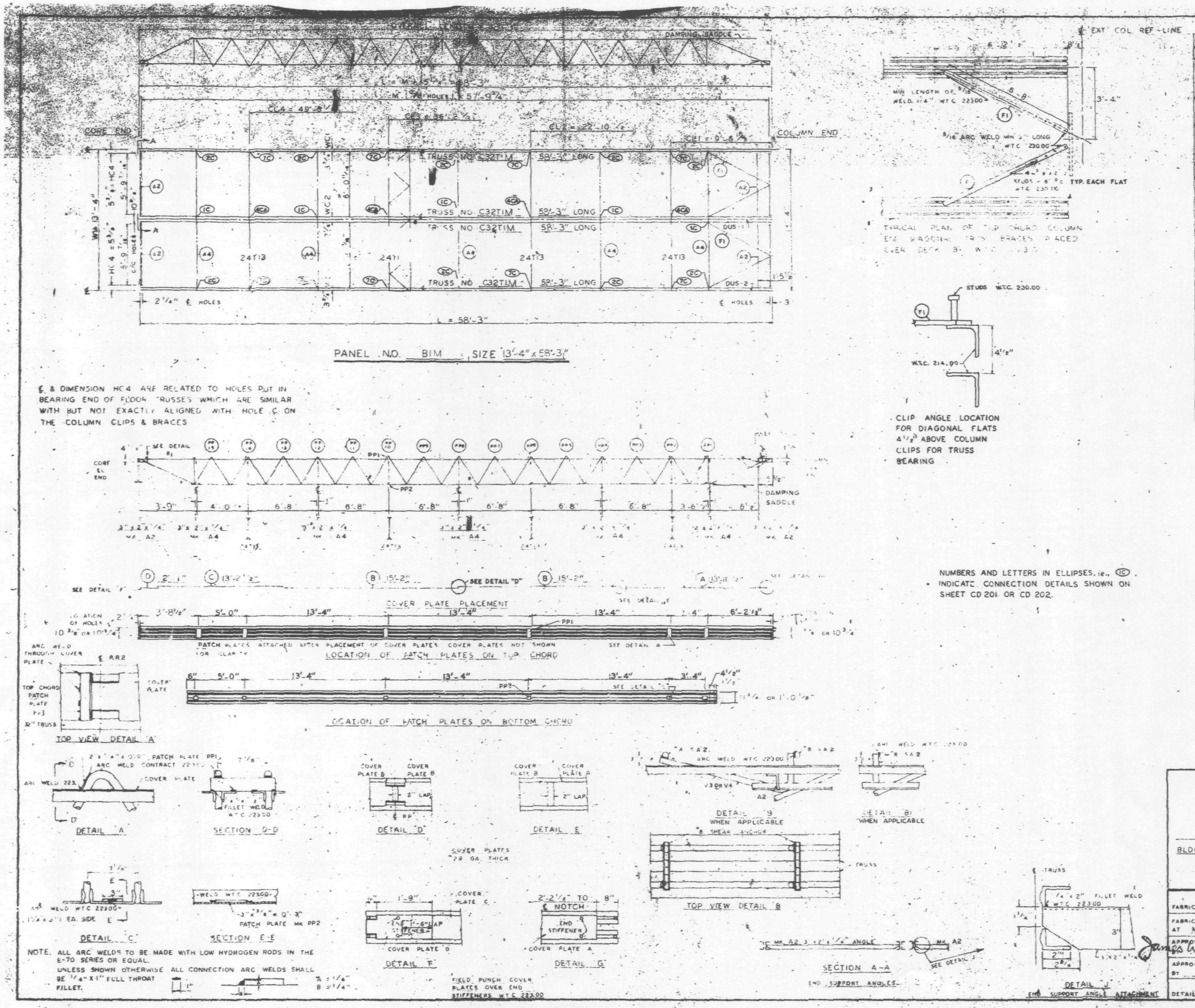
REF. DRWGS.

7-A84-33...	...-68
7-A84-15...	5-6-68
7-A84-42	4-1-68
SA-24	10-20-67
7-A83-2	...-68
7-A81-2	2-5-68
7-A82-0	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-46(S) + 46(N)
PANEL B1K - 13'-4" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-5 4-1-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. — DATE 10/23/68
DRAWN BY — DATE OCT. 1 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA — DATE OCT. 1 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B1K



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1M	4	C32T1M - 58'-3"	ST 201M
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT 213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x [illegible]-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x 0.135" x 13'-11 1/2"	ST 303
	B	4	9" x 0.135" x 15'-2	ST 303
	C	2	9" x 0.135" x 13'-2 1/2"	ST 303
	D	2	9" x 0.135" x 2'-1	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

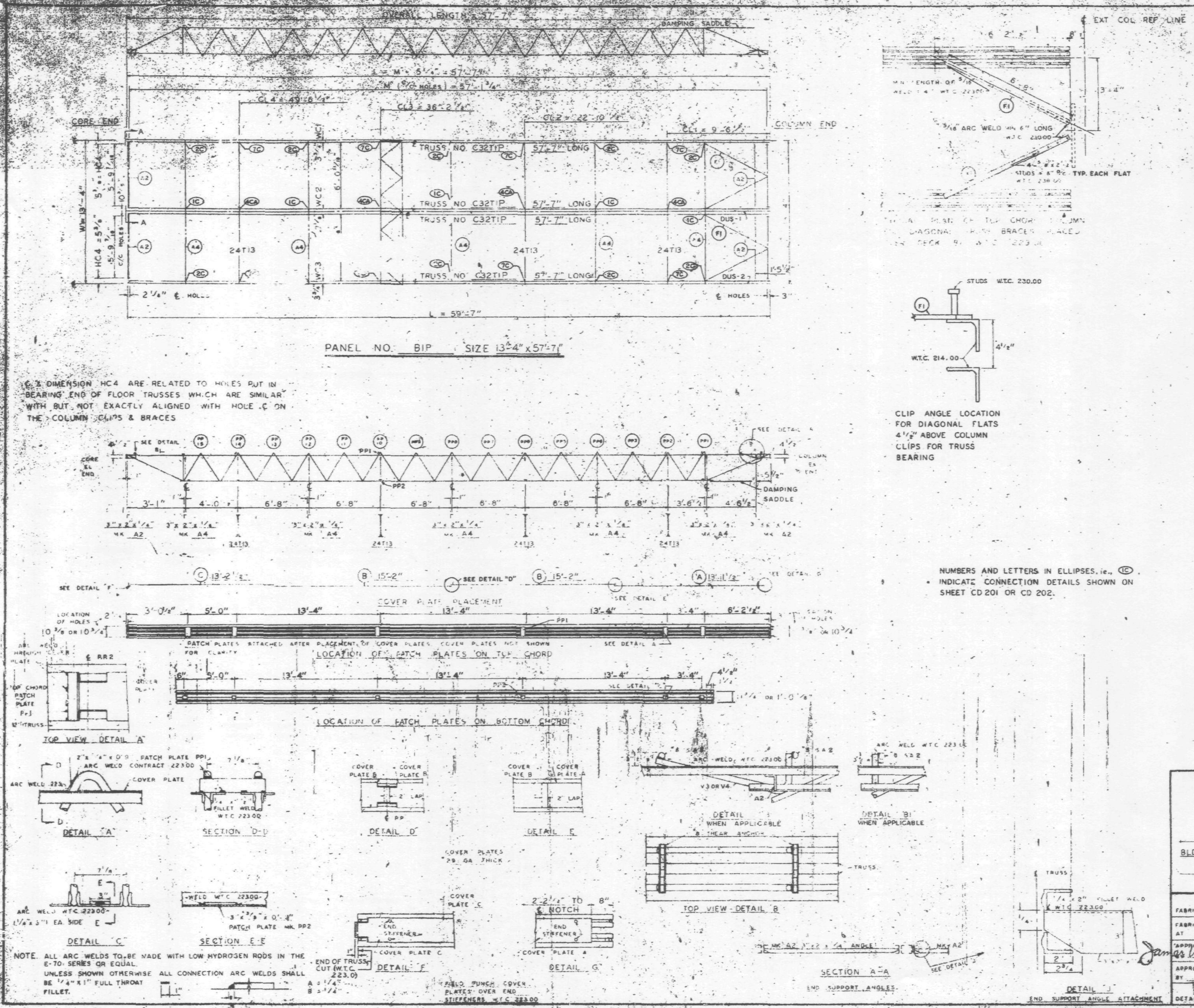
REF. DRWG
7-A84-42 4-1-68
7-A83-2 1-3-68
7-A81-2 2-5-68
7-A82-8 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)

PANEL B1M - 13'-4" x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-5 4-1-68 PLATE 2
APPROVED FOR FABRICATION BY James White FOR PONYA DATE 10/23/68
DRAWN BY DATE OCT. 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY DATE OCT. 15, 1968 IN CHARGE OF PROD. DEPT.
DETAILED BY A. C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. CP B1-1



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1P	4	C32T1 - 57'-[illegible]	ST201P
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4"x13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
CONNECTION BAR	CB1	4	1"⌀ x 1'-3"	ST400
CONNECTION PLATES	P1	8	3 1/2"x3/8"x6 1/2"	ST400
	P2	4	4 1/2"x.39"x0'-9"	ST400
	P3	4	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY

REF DRWG:
7-AB4 13,14 & 30 — 3-68
7-AB4 15 & 16 — 5-6-68
7-AB4 42 — 4-1-68
[illegible] — 10-67
7-AB3 2 — 3-68
7-AB1-2 — [illegible]-68
7-AB2 8 — 5-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74(N)

PANEL B1P - 13'-4" x 57'-7"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB5-5 4-1-68 PLATE

APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 10/23/68

DRAWN BY [illegible] DATE OCT 15, 1968

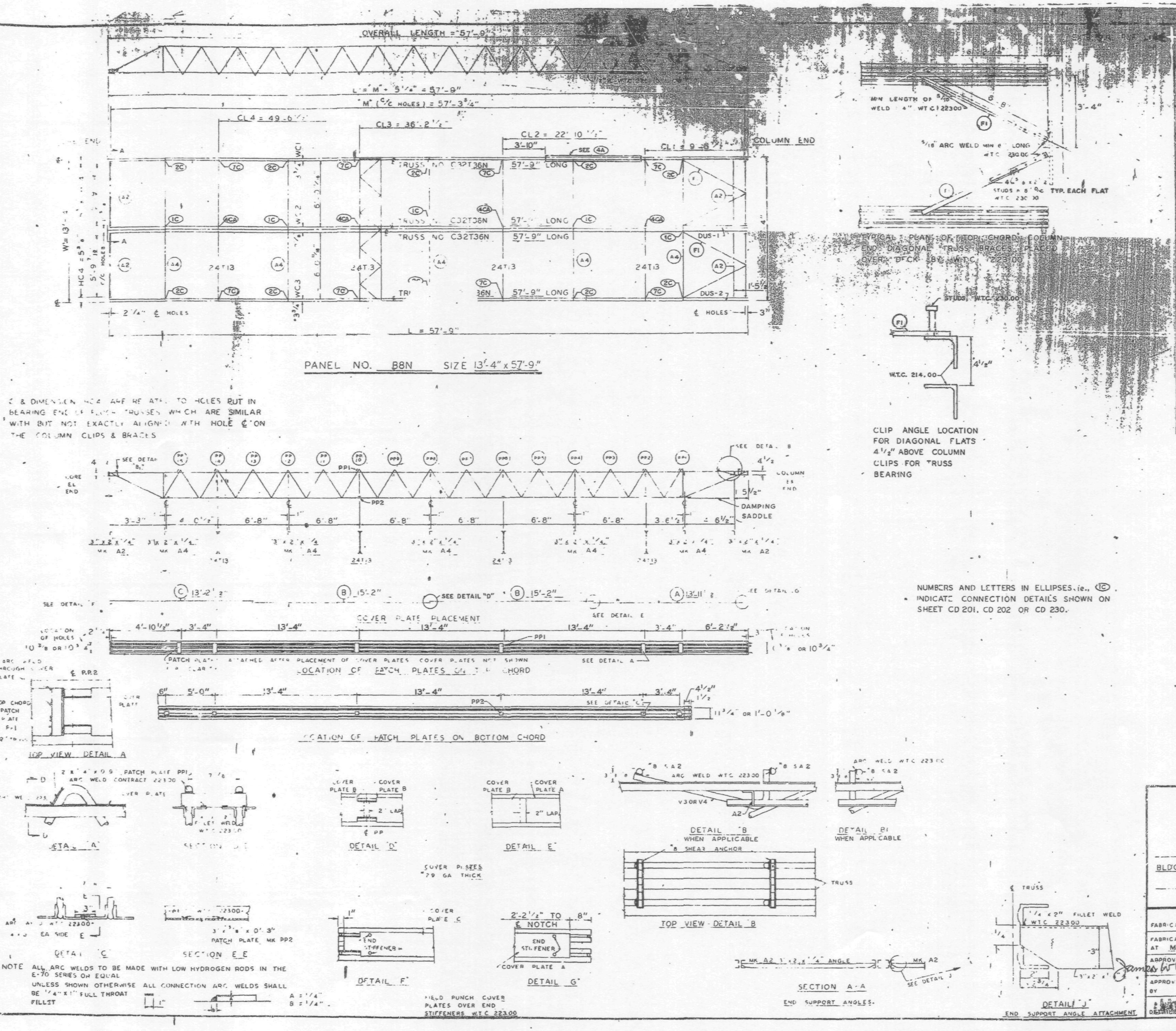
APPROVED FOR FABRICATION BY FOR LACLEDE STEEL CO. DATE

CHECKED BY T. M. CHURA DATE OCT 15, 1968 IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP B1P



NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 230.

... ED MATERIAL PER PANEL — MATERIAL	MK.	PCS.	SIZE	REF. DRWG
FLOOR TRUSSES	T36N	4	C32T36N-57'-9	ST 236N
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 8'-6"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	4	[illegible] x .0135" x 15'-2"	ST 303
	C	2	[illegible] x .0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	CL	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-3 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1 1/4" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15,16,39 & 41	7-22-68
7-AB4-3.1	1-3-68
SA 24	1-6-69
7-AB3-34	1-6-69
7-AB1-32	1-6-69
7-AB4-8	7-22-68

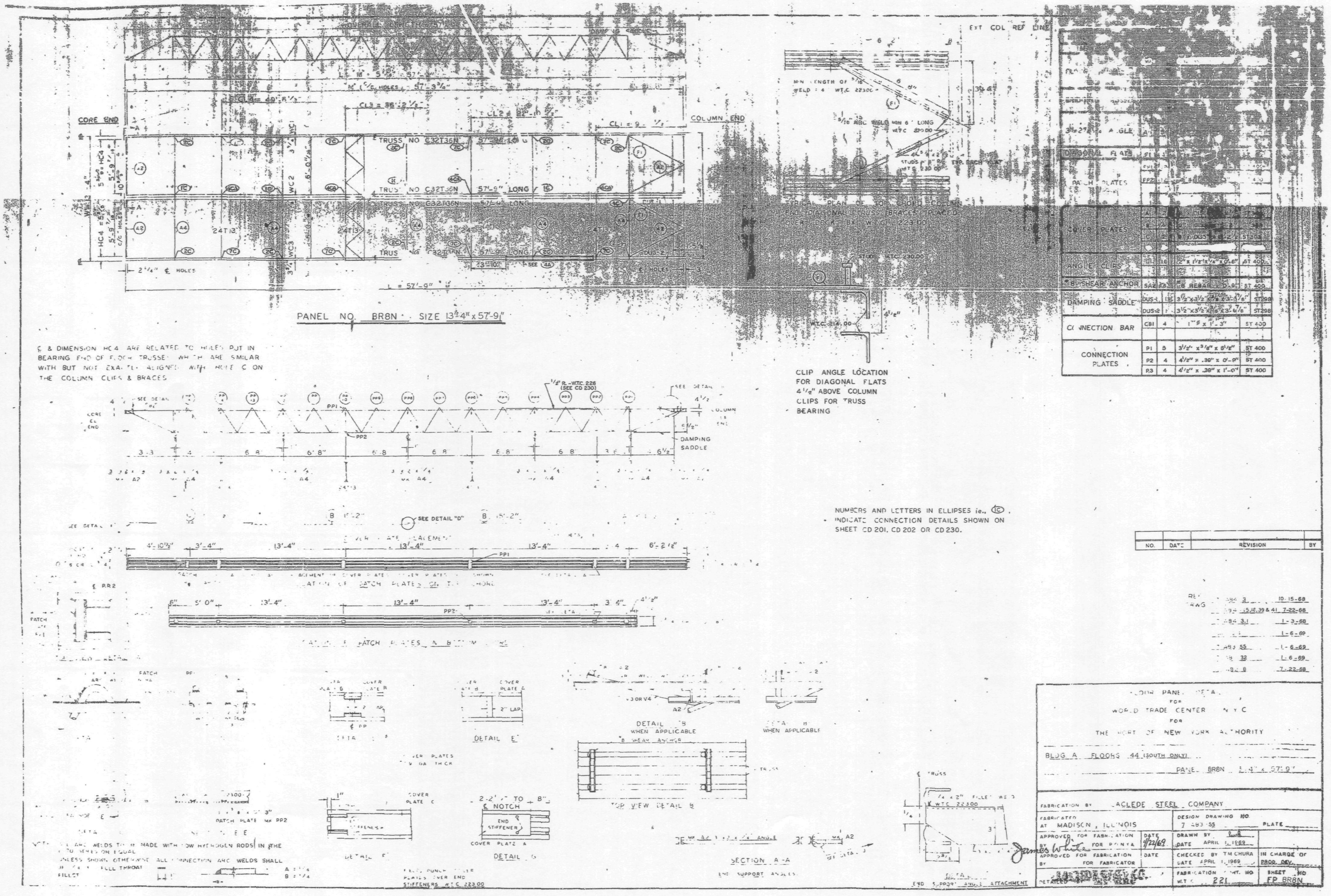
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 44 (SOUTH ONLY)

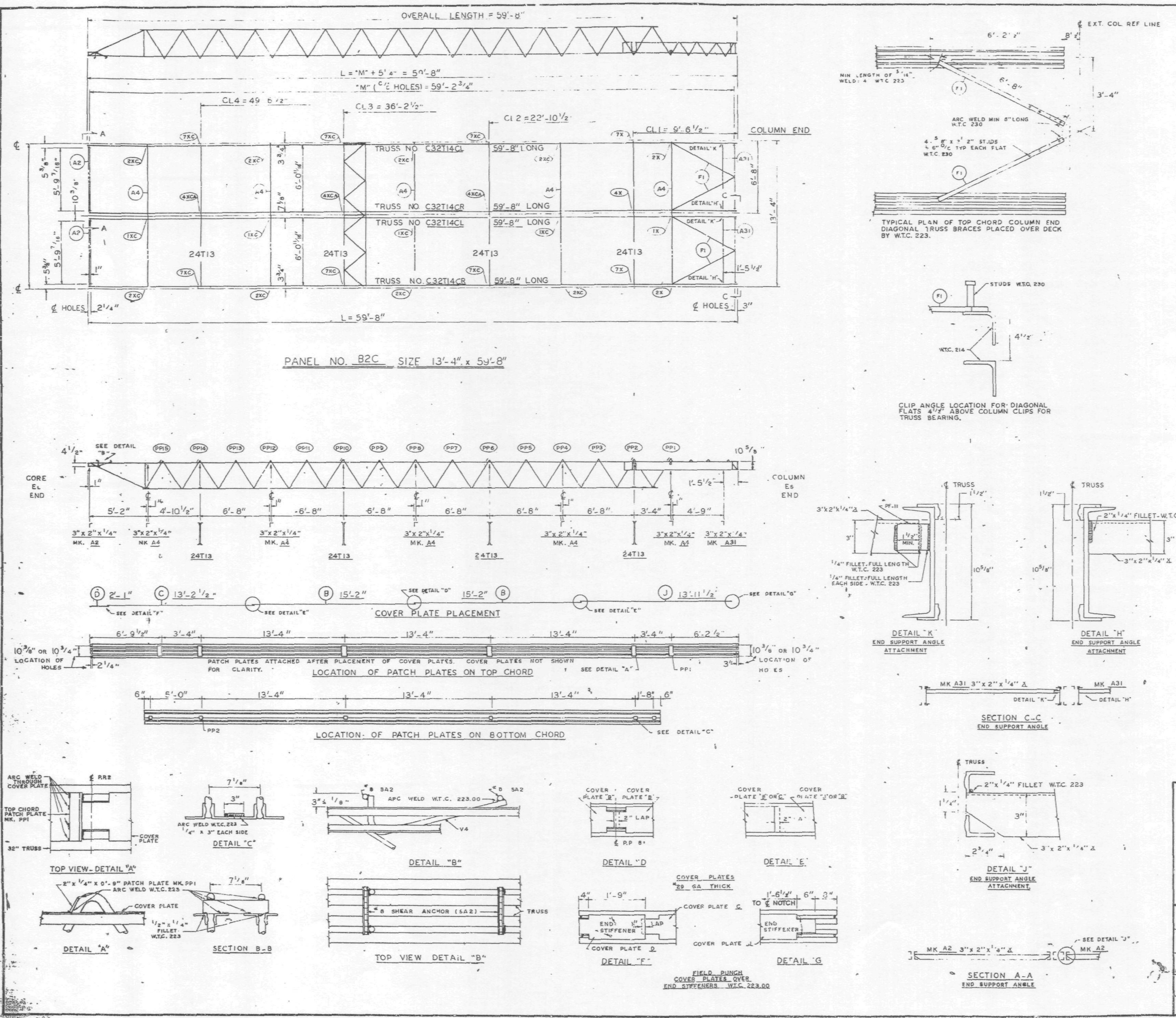
PANEL B8N - 13'-4" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-54	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 4/29/69	DRAWN BY [illegible] DATE APRIL 1, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 1, 1969	IN CHARGE OF PROD. DEV.
DETAILED LACLEDE STEEL CO.		FABRICATION CONT NO W T C 221	SHEET NO FP B8N

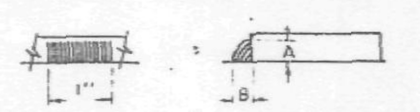


CORE END
COLUMN END
EXT COL REF LINE
TRUSS NO C32T36N 57'-9" LONG
TRUSS NO C32T36N 57'-9" LONG
TRUSS NO C32T36N 57'-9" LONG
L = 57'-9"
PANEL NO. BR8N SIZE 13'-4" x 57'-9"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
COVER PLATES
ANGLE CLIPS CL1 16 2" x 1 1/2" x 1/4" x 0'-6" ST 400
SHEAR ANCHOR SA2 6 REBAR 0'-9" ST 400
DAMPING SADDLE DUS-1 3 1/2" x 3 1/2" ST298
DUS-2 3 1/2" x 3 1/2" ST298
CONNECTION BAR CB1 4 1" x 1'-3" ST 400
CONNECTION PLATES P1 8 3 1/2" x 3/8" x 8 1/2" ST 400
P2 4 4 1/2" x .38" x 0'-9" ST 400
P3 4 4 1/2" x .38" x 1'-0" ST 400
DAMPING SADDLE
NUMBERS AND LETTERS IN ELLIPSES ie., 1C INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 230.
NO. DATE REVISION BY
SEE DETAIL "D"
13'-4"
PP1
PP3
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
WHEN APPLICABLE
TOP VIEW DETAIL B
SECTION A-A
END SUPPORT ANGLES
END SUPPORT ANGLE ATTACHMENT
PATCH PLATE MK PP2
DETAIL "G"
COVER PLATE A
END STIFFENER
2" LAP
10-15-68
7-22-68
1-3-68
1-6-69
7 483 55 1-6-69
32 1-6-69
8 7-22-68
FLOOR PANEL DETAIL
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 44 (SOUTH ONLY)
PANEL BR8N x 57'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7 483 55
PLATE
APPROVED FOR FABRICATION BY FOR P O N Y A
DATE 4/22/69
DRAWN BY
DATE APRIL 1, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR
DATE
CHECKED BY T M CHURA
DATE APRIL 1, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP BR8N



REQUIRED MATERIAL FER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-5"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4"x 5'-11[illegible]	ST 403
	A4	5	3"x 2"x 1/4"x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4"x 5'-[illegible] 8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	8"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF DRWG.

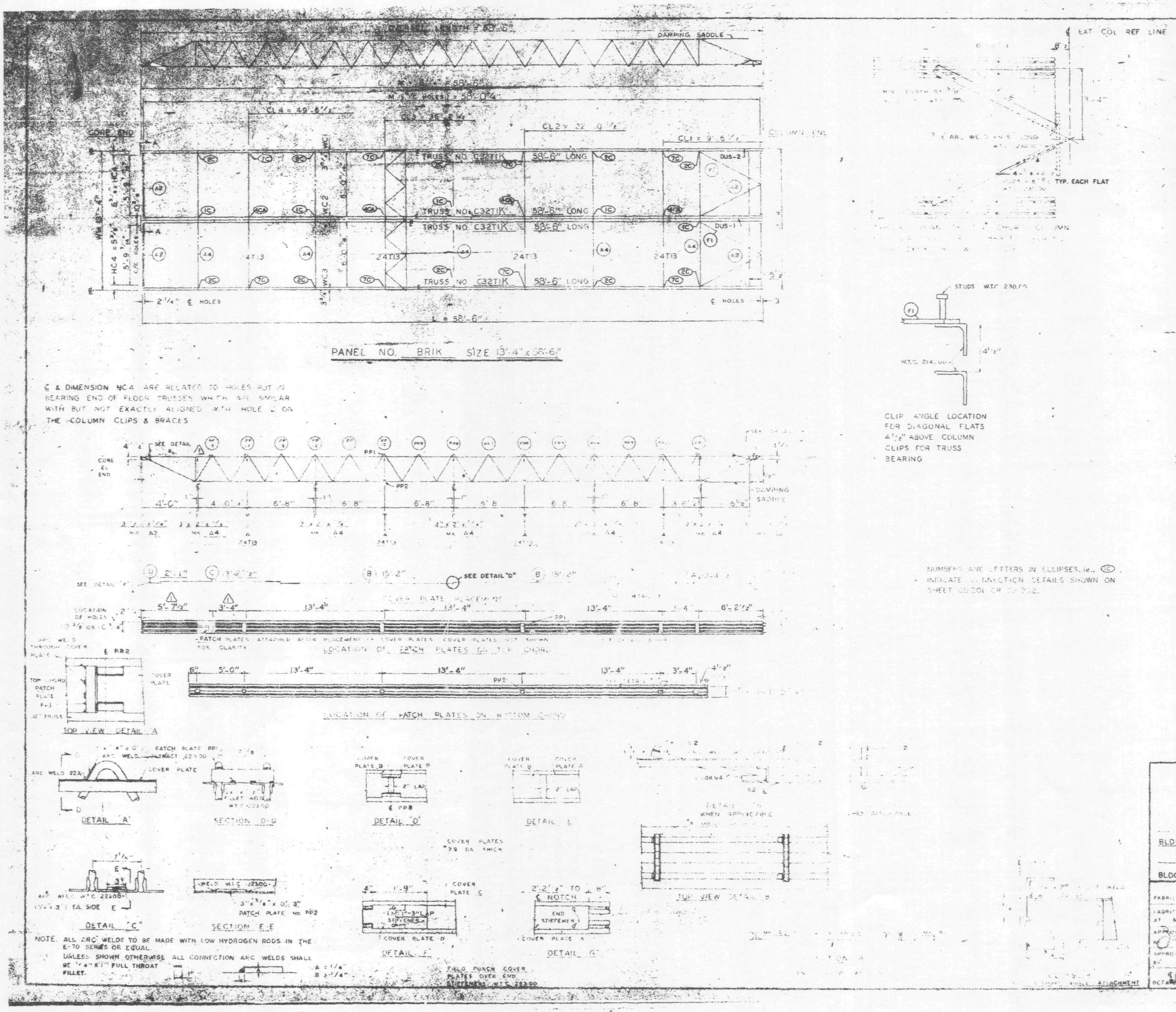
7-A83-26	10-4-68
7-A81-13	10-4-68
7-A82-2	7-22-68
7-A84-28	7-22-68
SA-124	10-11-68
7-A83-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL B2C-13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-26 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P O N Y A DATE 6/6/69
DRAWN BY [initials] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W T C. 221
SHEET NO FP B2C



REQUIRED MATERIAL				
MATERIAL	MK	PCS		
FLOOR TRUSSES	T1K	4	C32T1K	
BRIDGING TRUSSES	T13	4	24T13	
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4"	
	A4	5	3" x 2" x 1/4"	
DIAGONAL FLATS	F1	4	1 1/2" x	
PATCH PLATES	PP1	12		ST 400
	PP2	12	3" x	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .013 x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-	ST 400
# 8 SHEAR ANCHOR	SA2	5	# 8 REBAR	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 291
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 291
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	
1	6-5-69	AS NOTED	RJ2

REF DRWG

7-AB4-3	10-15-68
7-AB4-18	7-22-68
7-AB4-42	10-15-68
SA 124	1-6-69
7-AB3-2	1-3-69
7-AB1-2	7-22-68
7-AB2-B	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 46 (N) + 45-46 (S)

PANEL BR1K

BLDG. B FLOOR 46 (EAST & WEST) 45 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY — DATE

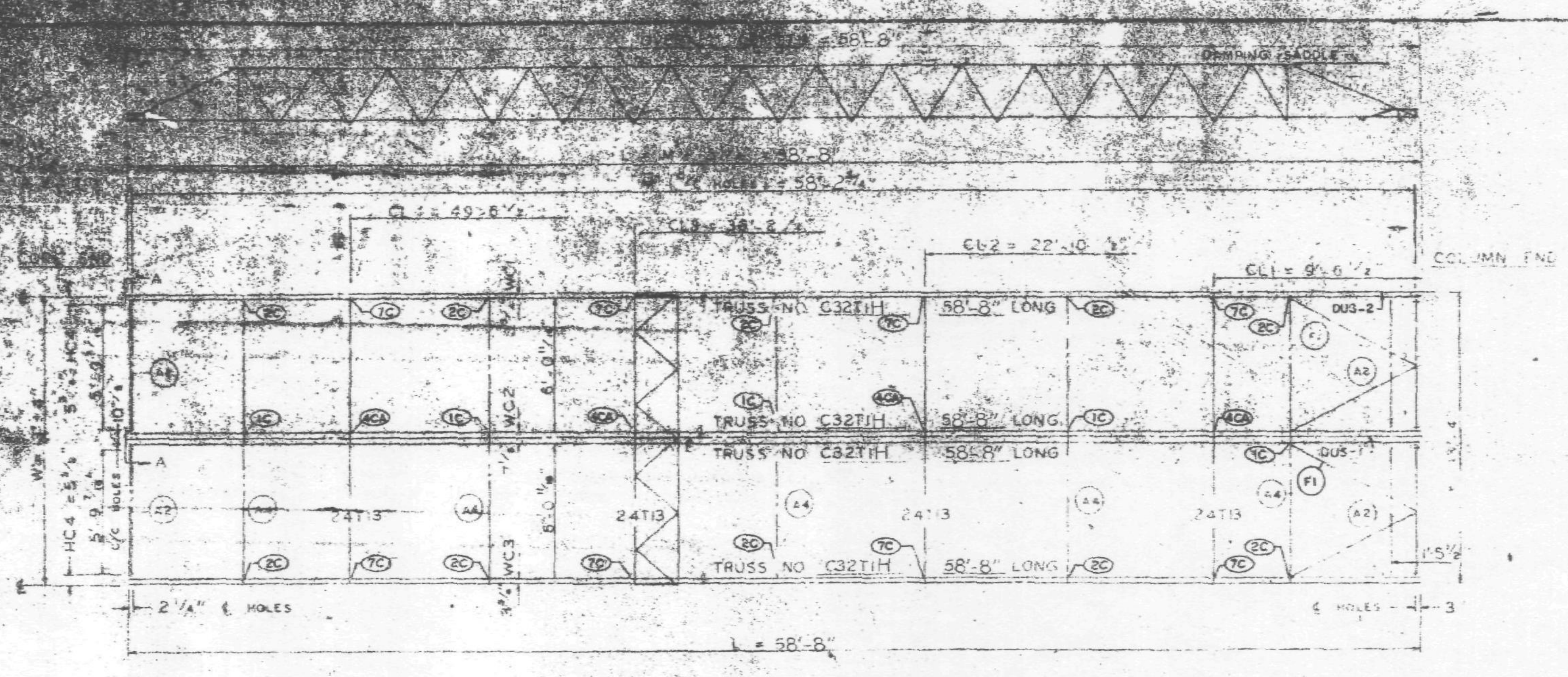
APPROVED FOR FABRICATION BY — DATE

DESIGN DRAWING NO.

DRAWN BY — DATE 10-22-68

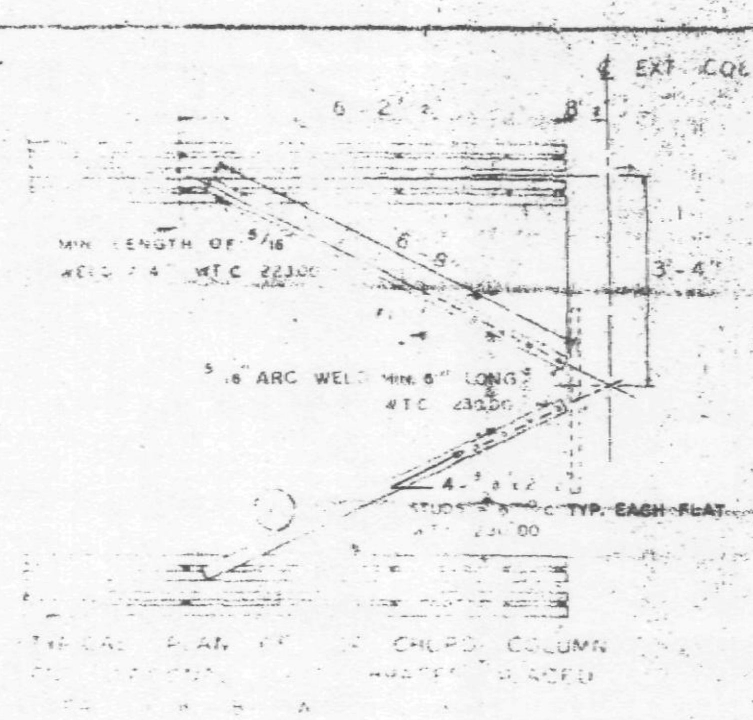
CHECKED BY T M CHURA — DATE 10-22-68

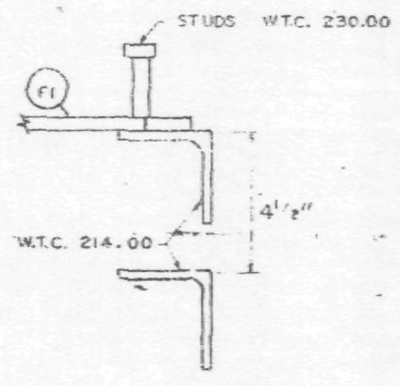
DETAILED BY



PANEL NO BRIH SIZE 13'-4" x 58'-8"

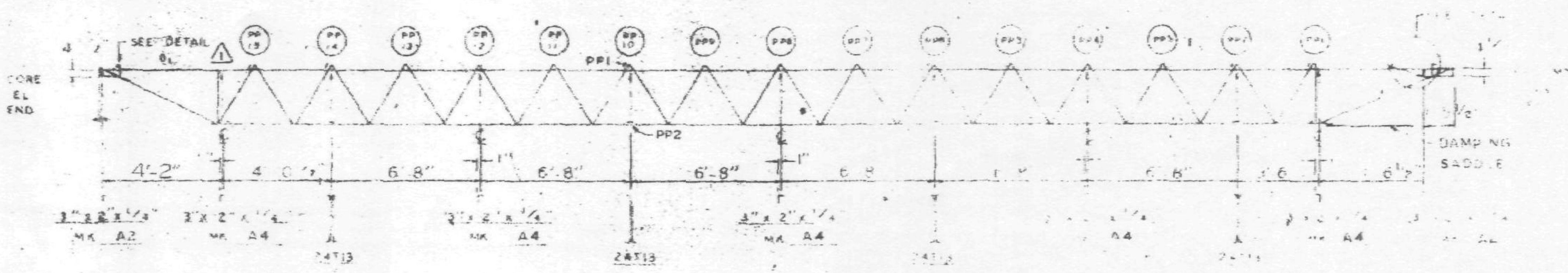
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.





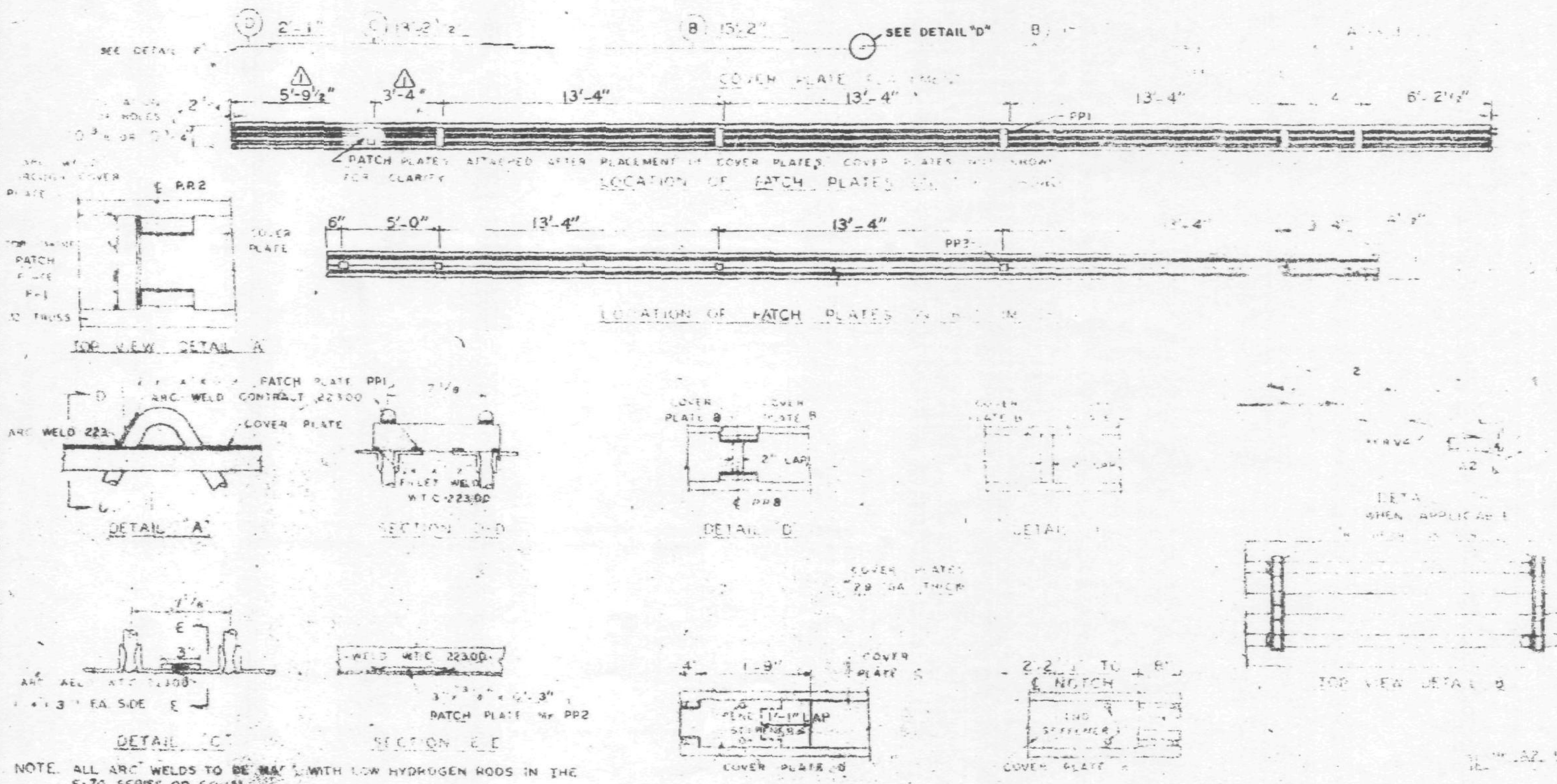
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING

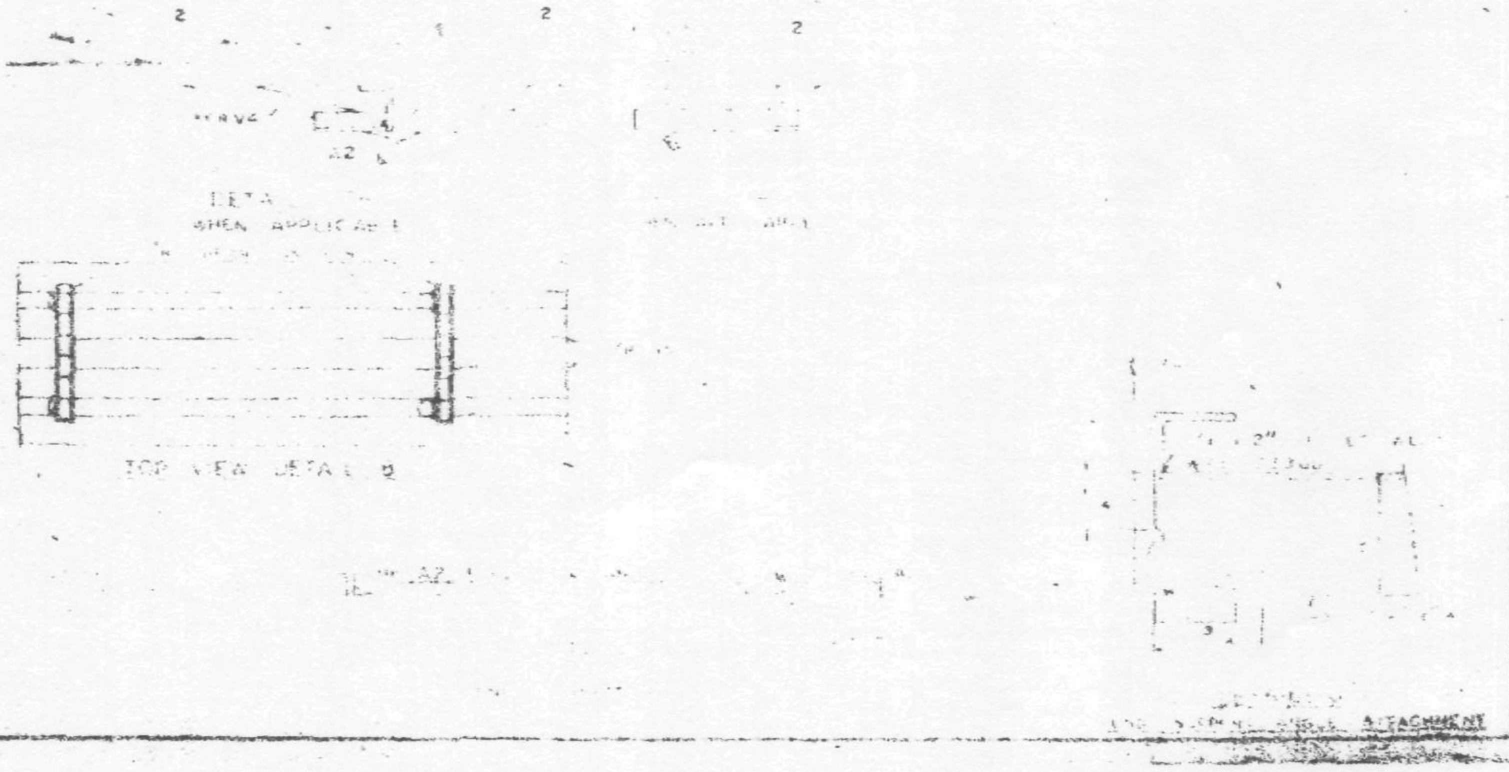
REQUIRED MATERIAL				
MATERIAL	MK	PCS		
FLOOR TRUSSES				
BRIDGING TRUSSES				
3"x2"x¼" ANGLE	A2	4		
	A4	5		
DIAGONAL FLATS	F1			
PATCH PLATES	PP1	12		ST 400
	PP2	12		ST 400
COVER PLATES	A			
	B	4	9" x .0135" x 13'-2"	ST303
	C	2	9" x .0135" x 13'-2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C	16	2" x 1½" x ¼"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR	ST 400
DAMPING SADDLE	DUS-1	1		
	DUS-2	1	3½" x 3½" x ⅜"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3½" x	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	4	4½" x .39" x 1'-0"	ST 400



NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NO.	DATE	REVISION	
1	6-5-69	AS NOTED	RJF





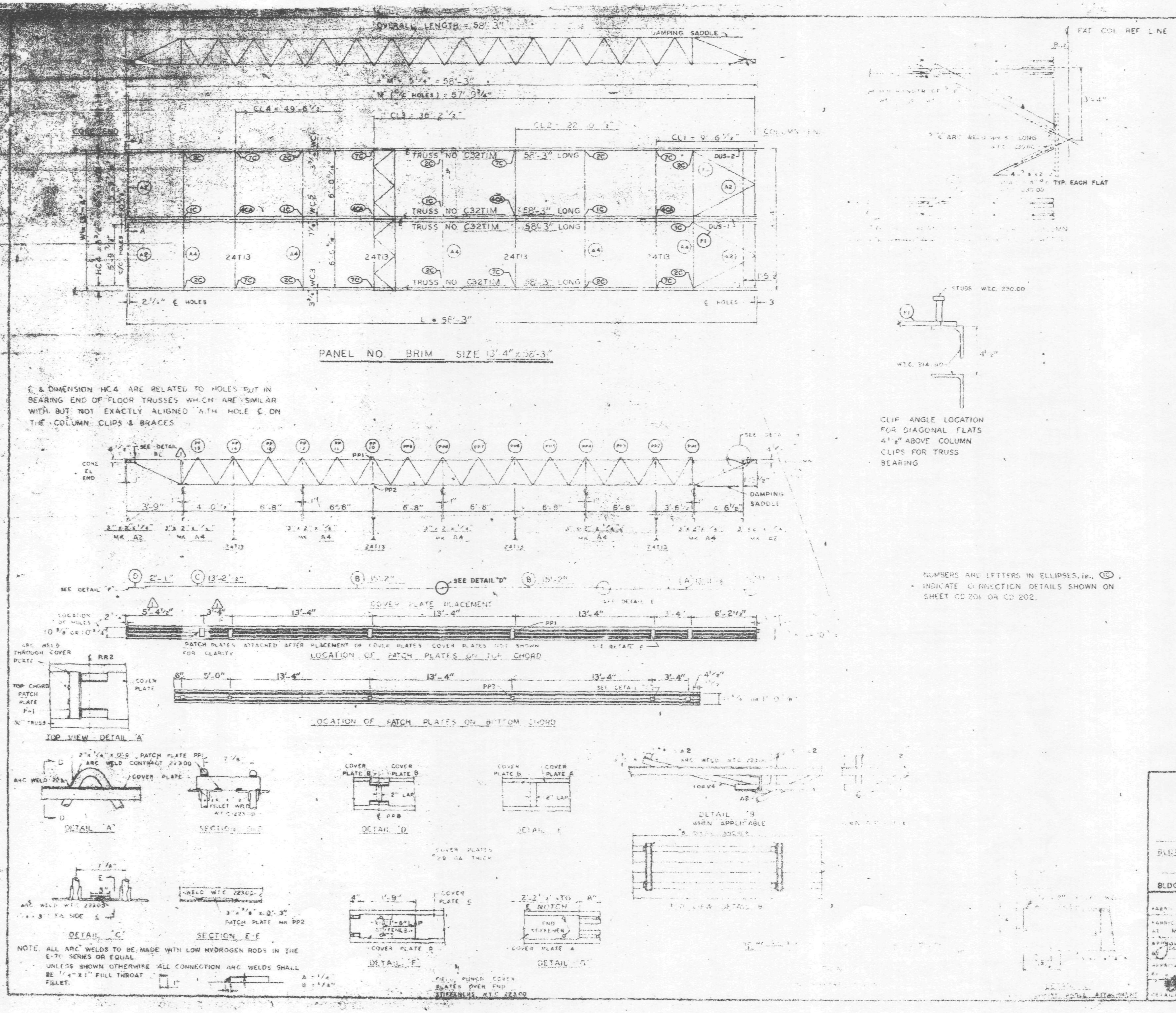
REF DRWG	
7-AB4-3	10-15-68
7-AB4-15,16	3-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 79-80(N)
PANEL BRIH - 13'-4" x 58'-8"
BLDG. B FLOORS 79-80 (WEST) 1

LACLEDE STEEL COMPANY
FABRICATE AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-6
APPROVED FOR FABRICATION BY ... DATE 1/9/70
DRAWN BY ... DATE 10-22-68
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE
CHECKED BY T.M. CHJR DATE 10-22-68
[redacted]
DETAILED BY J.C. WEBER
BRIH

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼" x 1" FULL THROAT FILLET.



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1M	4	[illegible]	[illegible]
BRIDGING TRUSSES	T13	4	24T13 [illegible]	[illegible]
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4" [illegible]	ST 403
	A4	5	3"x2"x1/4" [illegible]	[illegible]
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	8" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x [illegible]	ST 400
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	[illegible]
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 1/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	5	4 1/2" x .30" x 0'-9"	ST 200
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION
1	8-5-68	AS NOTED

1 REF DRWG

7-AB4-3	10-15-68
7-AB4-18	7-22-68
7-AB4-12	10-15-68
SA-1424	1-6-69
7-AB3-2	[illegible]
7-AB1-2	7-22-68
7-AB2-9	7-22-68

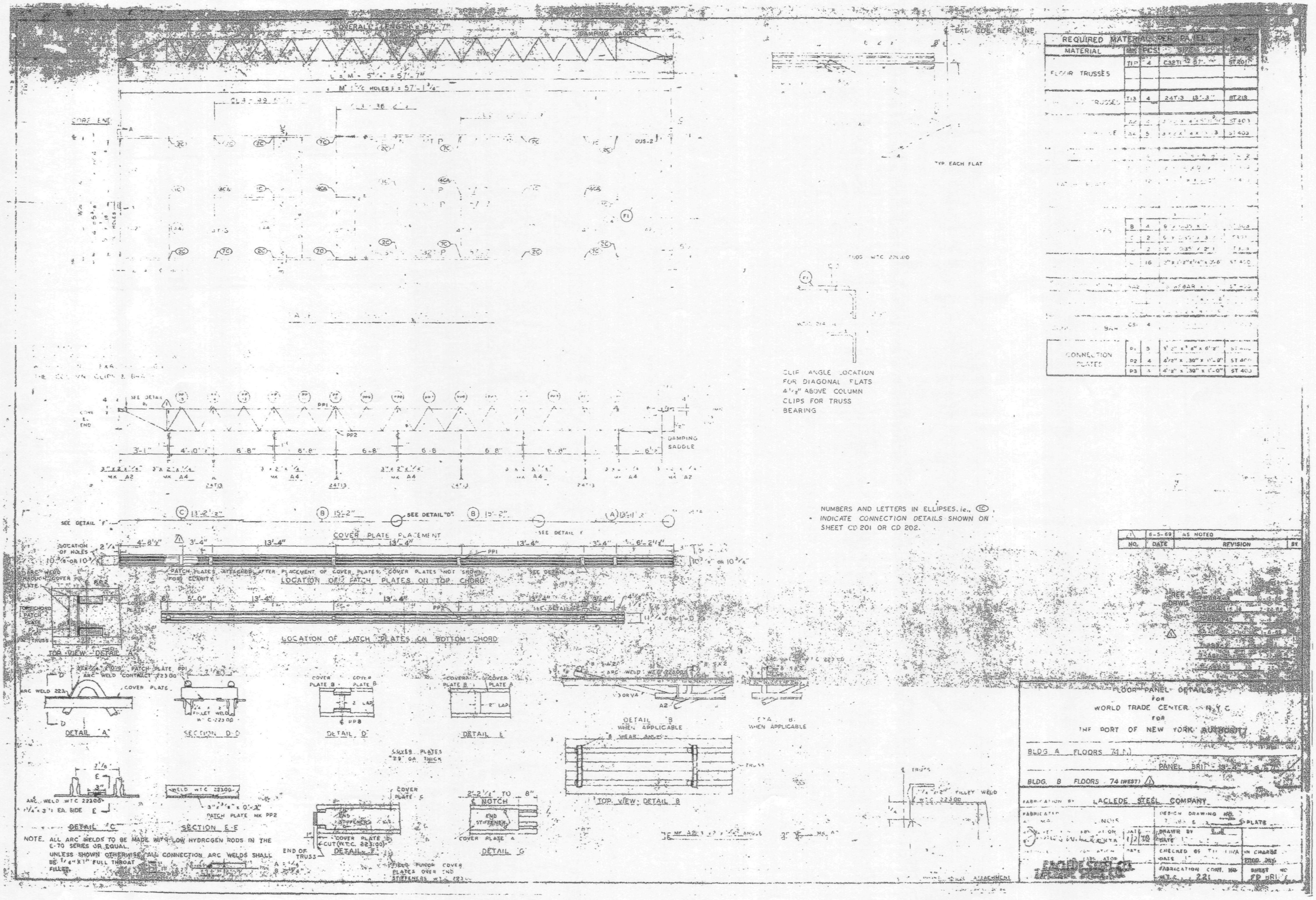
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER, N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

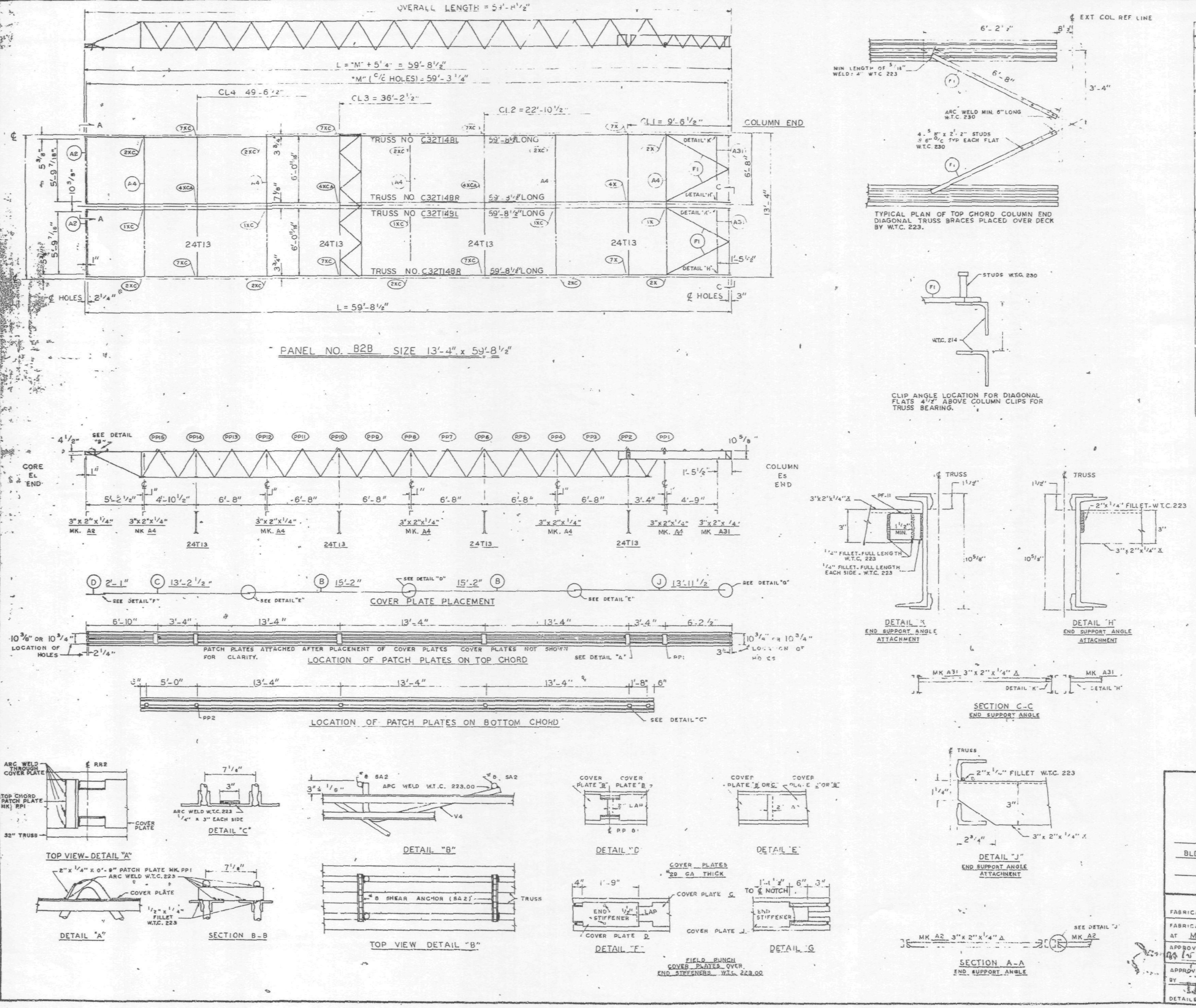
BLDG A FLOORS 72-73 (N)

PANEL BRIM 13'-4" x 58'-3"

BLDG B FLOORS 72-73 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-6
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE [illegible]
DRAWN BY [illegible] DATE 10-22-68
APPROVED FOR FABRICATION FOR FABRICATOR DATE
CHECKED BY T.J. CHURA DATE 10-22-68
DETAILED BY R.C. WEBER
FABRICATION DWG NO. W.T.C. 251
SHEET NO. BRI


OVERALL LENGTH = 57'-7"
DAMPING SADDLE
EXT. COL. REF. LINE
TYP. EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
REQUIRED MATERIAL PER PANEL
MATERIAL
PCS
FLOOR TRUSSES
C32T1
24T13 13'-3"
ST 403
CONNECTION PLATES
3 1/2" x 3/8" x 6'-2"
4 1/2" x .39" x 0'-8"
4 1/2" x .39" x 1'-0"
ST 400
ST 403
DAMPING SADDLE
NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
6-5-69 AS NOTED
NO. DATE REVISION BY
SEE DETAIL "D"
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
TOP VIEW DETAIL B
COVER PLATES 28 GA. THICK
DETAIL "C"
SECTION E-E
PATCH PLATE MK PP2
DETAIL "F"
DETAIL "G"
END OF TRUSS
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FULL THROAT FILLET.
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
DESIGN DRAWING NO.
DRAWN BY
CHECKED BY
IN CHARGE PROD. DIV.
FABRICATION CONT. NO.
SHEET NO.



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8 1/2"	ST 2148L
	T14BR	2	C32T14BR x 59'-8 1/2"	ST 2148L
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	BT 213
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A4	5	[illegible]	ST 403
	A31	2	3"x2"x1/4"x5'-[illegible]	ST 410
CLOSURE PLATES	[illegible]	[illegible]	3"x[illegible]4" x [illegible]	ST 4[illegible]2
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	[illegible]	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x0'-6 1/2"	ST 403
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

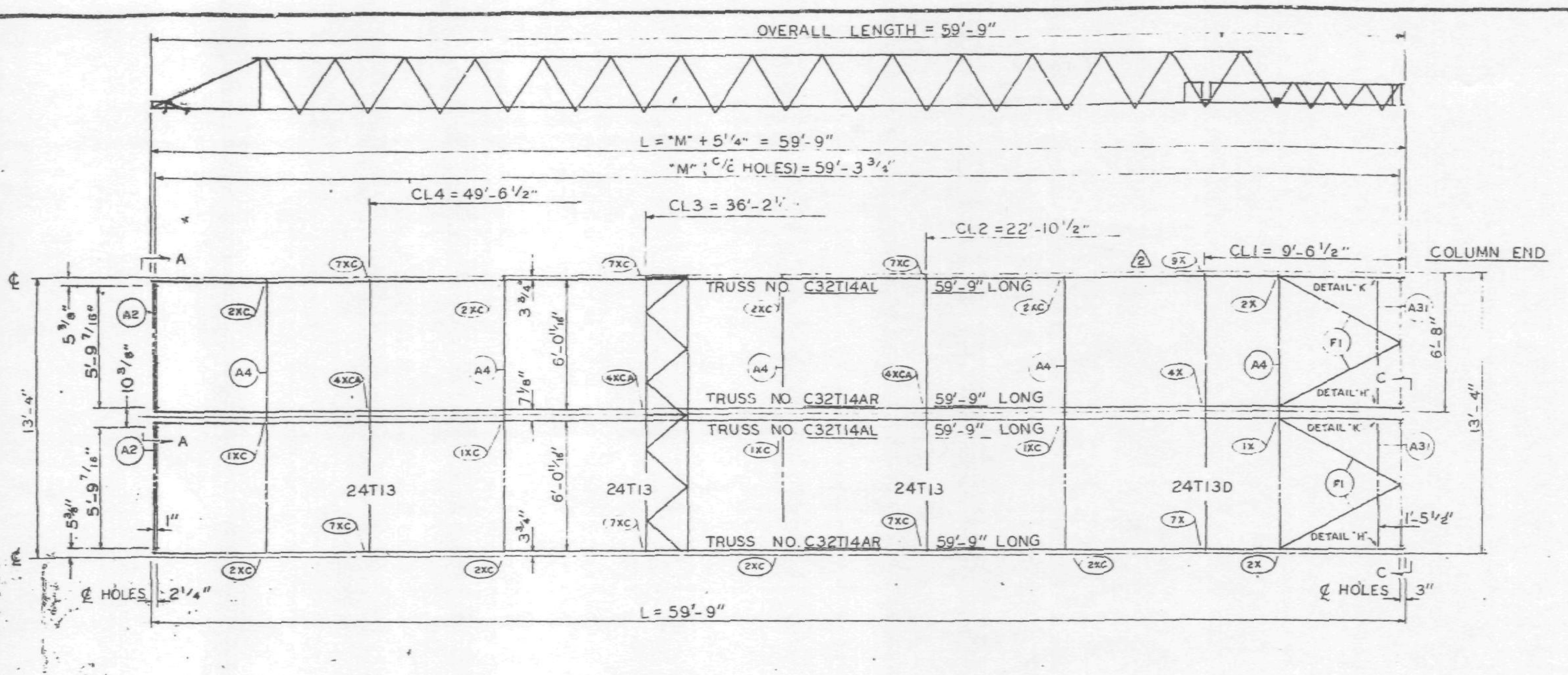
7-AB3-25	10-4-68
7-AB1-13	10-4-68
7-AB2-6	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY

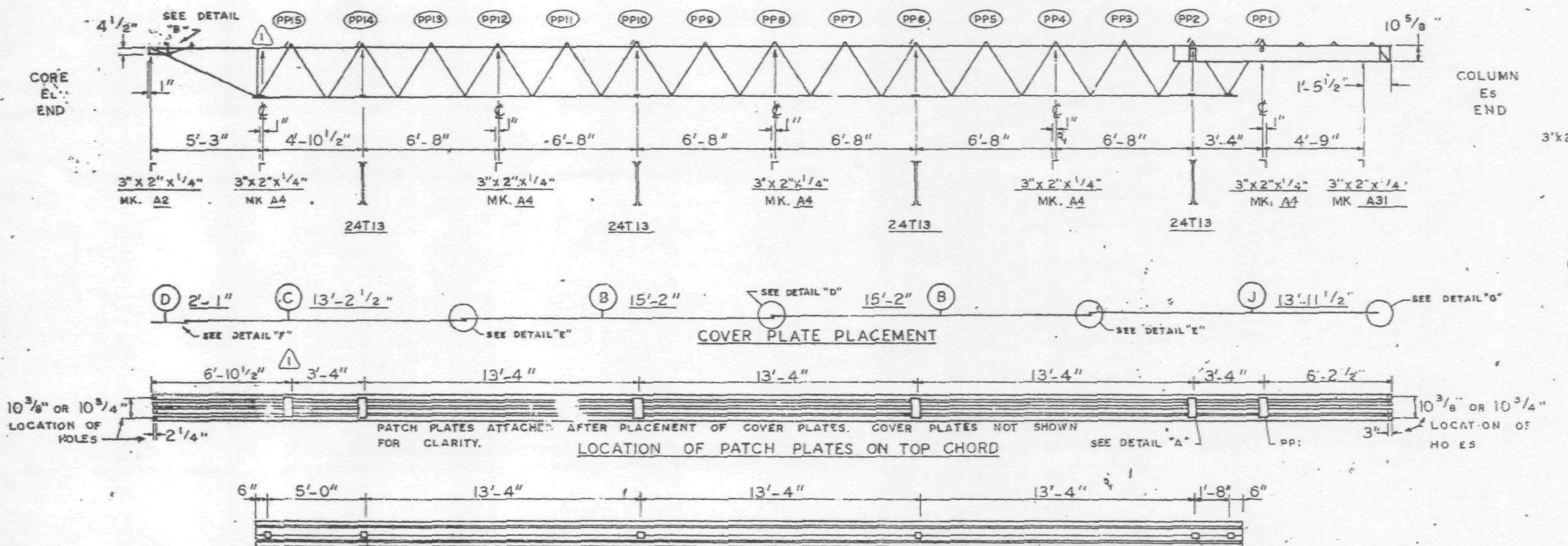
BLDG. A FLOORS 92 (NORTH)

PANEL B2B-13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-26 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 6/6/69
DRAWN BY LwR DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP B2B

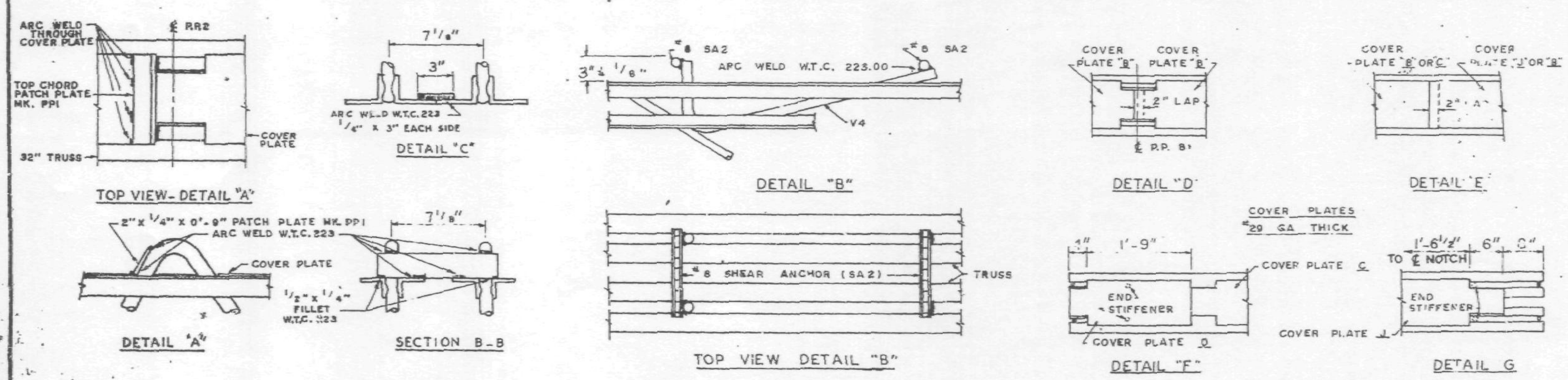


PANEL NO. BR2A SIZE 13'-4" x 59'-9"



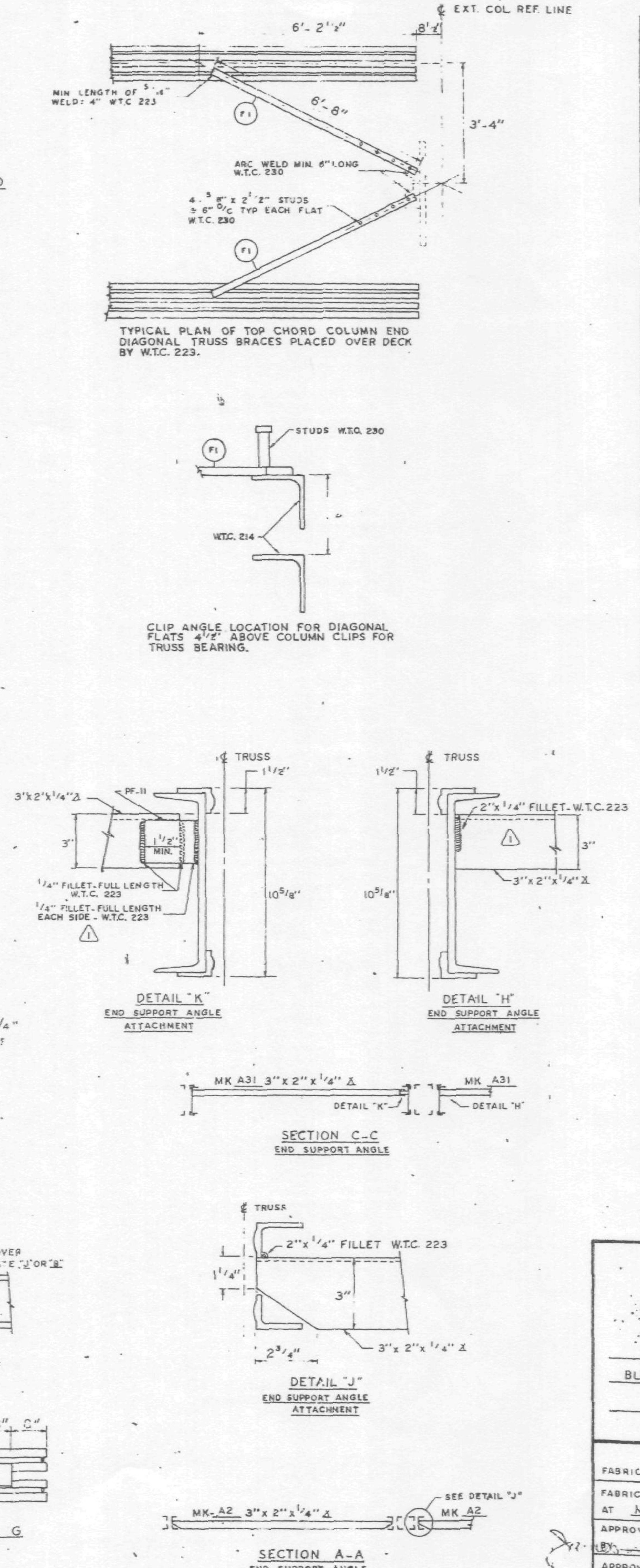
LOCATION OF PATCH PLATES ON TOP CHORD

LOCATION OF PATCH PLATES ON BOTTOM CHORD



TOP VIEW - DETAIL "A" · DETAIL "C" · DETAIL "B" · DETAIL "D" · DETAIL "E" · DETAIL "A1" · SECTION B-B · TOP VIEW DETAIL "B" · DETAIL "F" · DETAIL G

FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

DETAIL "K" END SUPPORT ANGLE ATTACHMENT

DETAIL "H" END SUPPORT ANGLE ATTACHMENT

SECTION C-C END SUPPORT ANGLE

DETAIL "J" END SUPPORT ANGLE ATTACHMENT

SECTION A-A END SUPPORT ANGLE

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13		24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/6"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3	4 1/2" x .39" x 0'-9"	ST 400
	P3	3	4 1/2" x .39" x 1'-0"	ST 400
	P8	4	3" x 1/2" x 1'-2"	ST 409
(2)	P10	1	4 1/2" x .39" x 0'-5"	ST 409
	P11	1	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

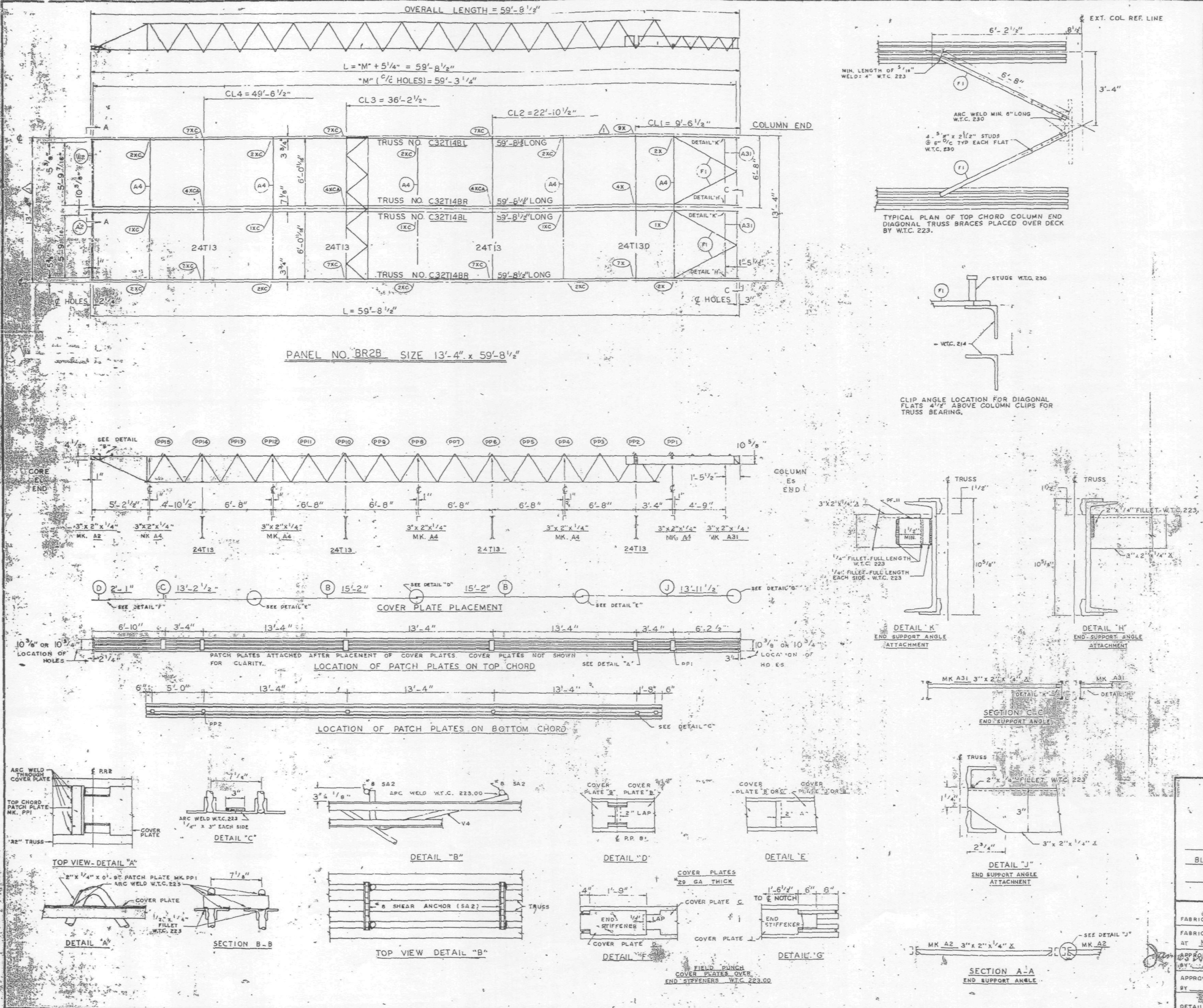
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL BR2A-13'-4" x 59'-9" (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-27	PLATE
APPROVED FOR FABRICATION BY FOR PONYA	DATE 6/6/69	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHUPA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP BR2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	2	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
	A31	2	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x1 1/2"x.25"x6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES ⚠1	P1	4	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400
	P9	4	3"x1/2"x1'-2"	ST 409
	P10	1	4 1/2"x.39"x0'-5"	ST 409
	P11	1	3"x1/4"x0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	GDC

REF DRWG.

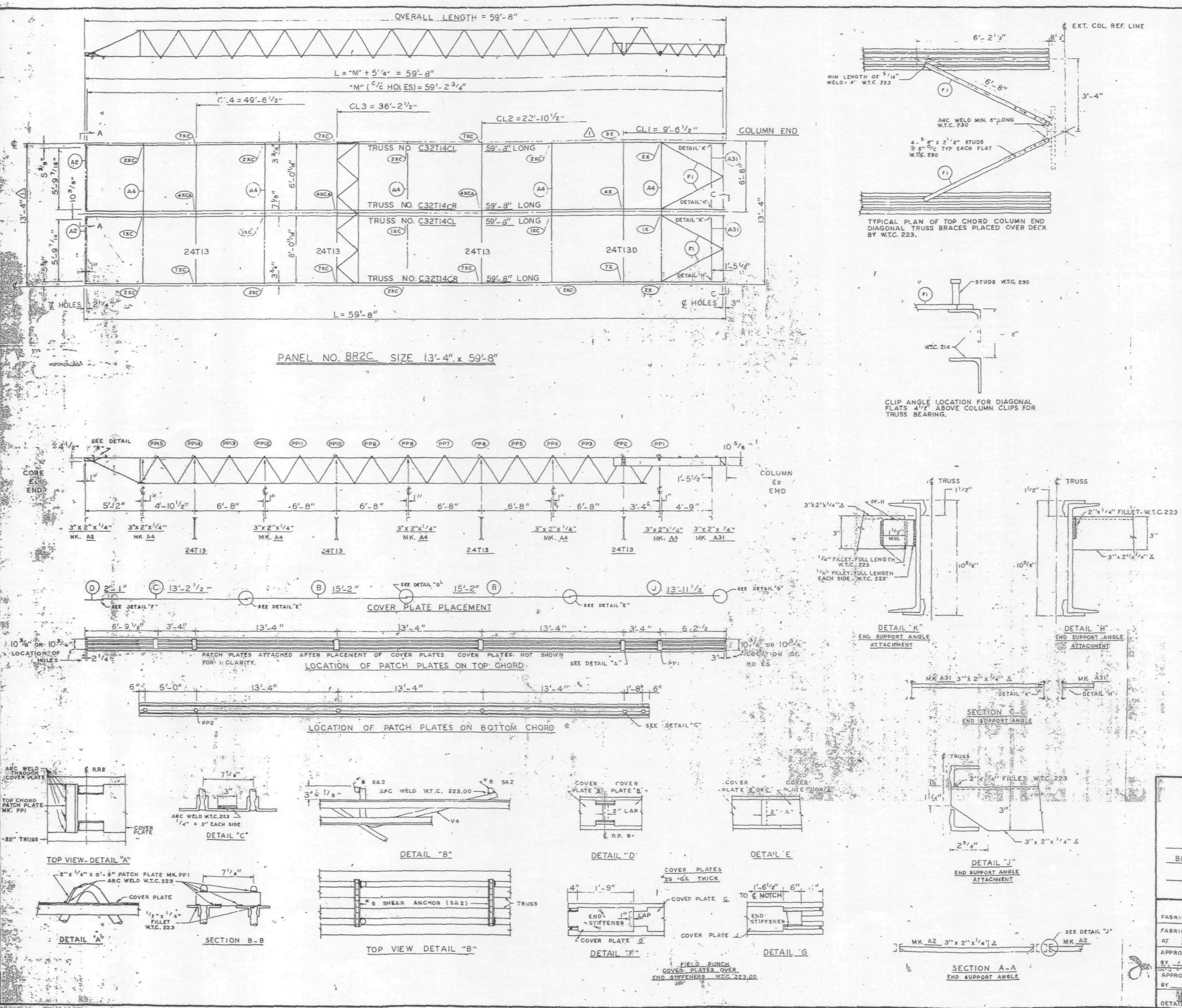
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-66
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL BR2B-13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-27 PLATE
APPROVED FOR FABRICATION BY ... FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY ... DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP BR2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3"x 2"x 1/4" x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES ⚠1	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3	4 1/2" x .39" x 0'-9"	ST 400
	P3	3	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409
	P10	1	4 1/2" x .39" x 0'-5"	ST 409
	P11	1	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.C.

REF. DRWG.

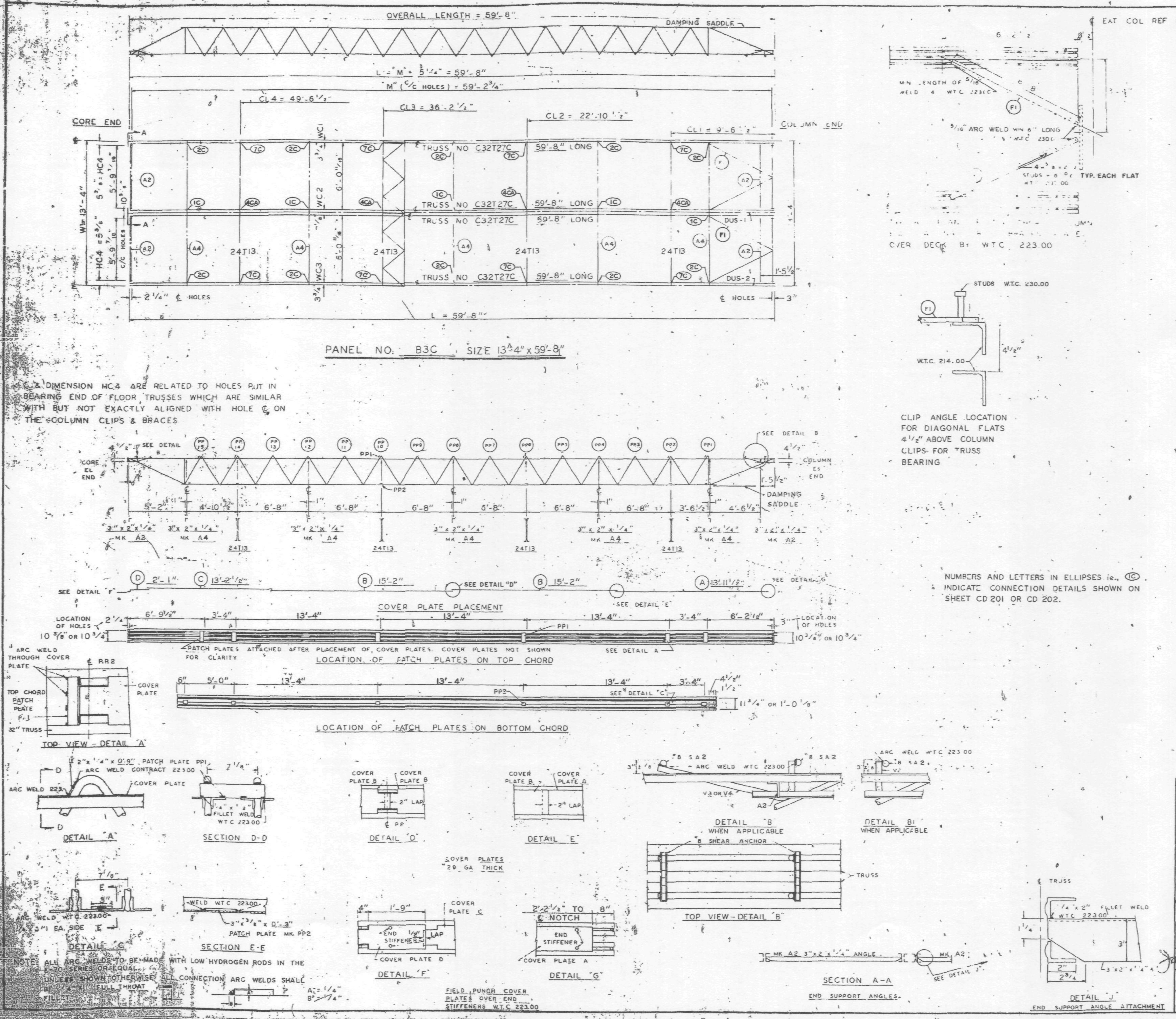
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL BR2C-13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-27 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP BR2C



NUMBERS AND LETTERS IN ELLIPSES i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T27C	4	C32T27C-59'-8"	ST227C
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	9"x.0135"x13'-[illegible] 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-[illegible]7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-8"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

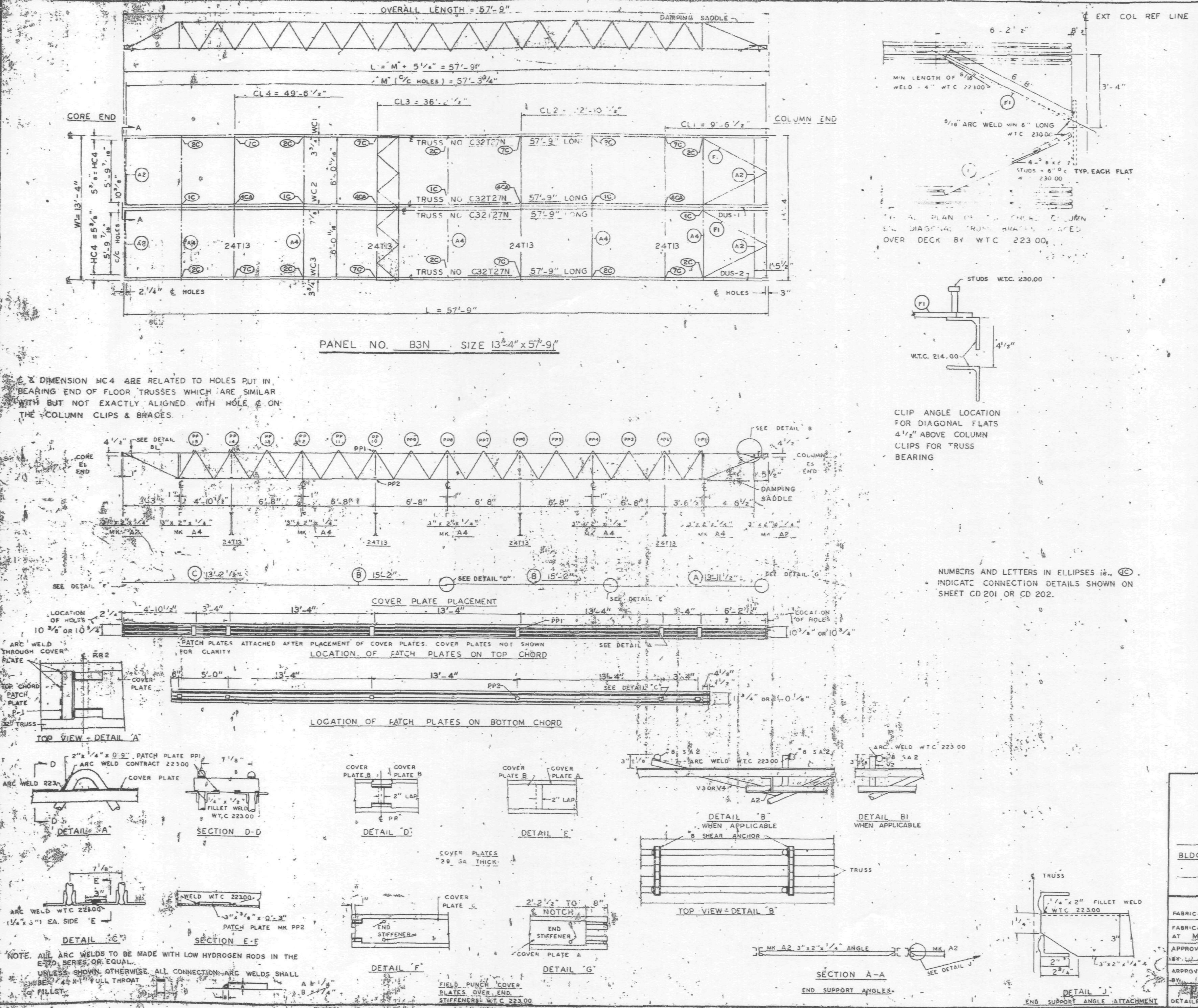
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-43	1-6-69
7-AB1#24	1-6-69
7-AB[illegible]	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (SOUTH)
PANEL B3C - 13'-4" x 59'-8"
BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-43	PLATE
APPROVED FOR FABRICATION BY James [illegible] FOR PONYA	DATE 7/31/69	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DIV.
DETAILED BY A.C. WEBER (LACLEDE STEEL CO.)		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP B3C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T27N	4	C32T27N-57'-9"	ST227N
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x 0135"x 13'-1 1/2"	[illegible]
	B	4	9"x .0135" x 15'-2"	ST303
	C	2	9"x .0135" x 13'-2 1/2"	ST303
ANGLE CLIPS	C1	12	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-3 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-8"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4 15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-43	1-6-69
7-AB1-24	1-6-69
7-AB2-6	7-22-68

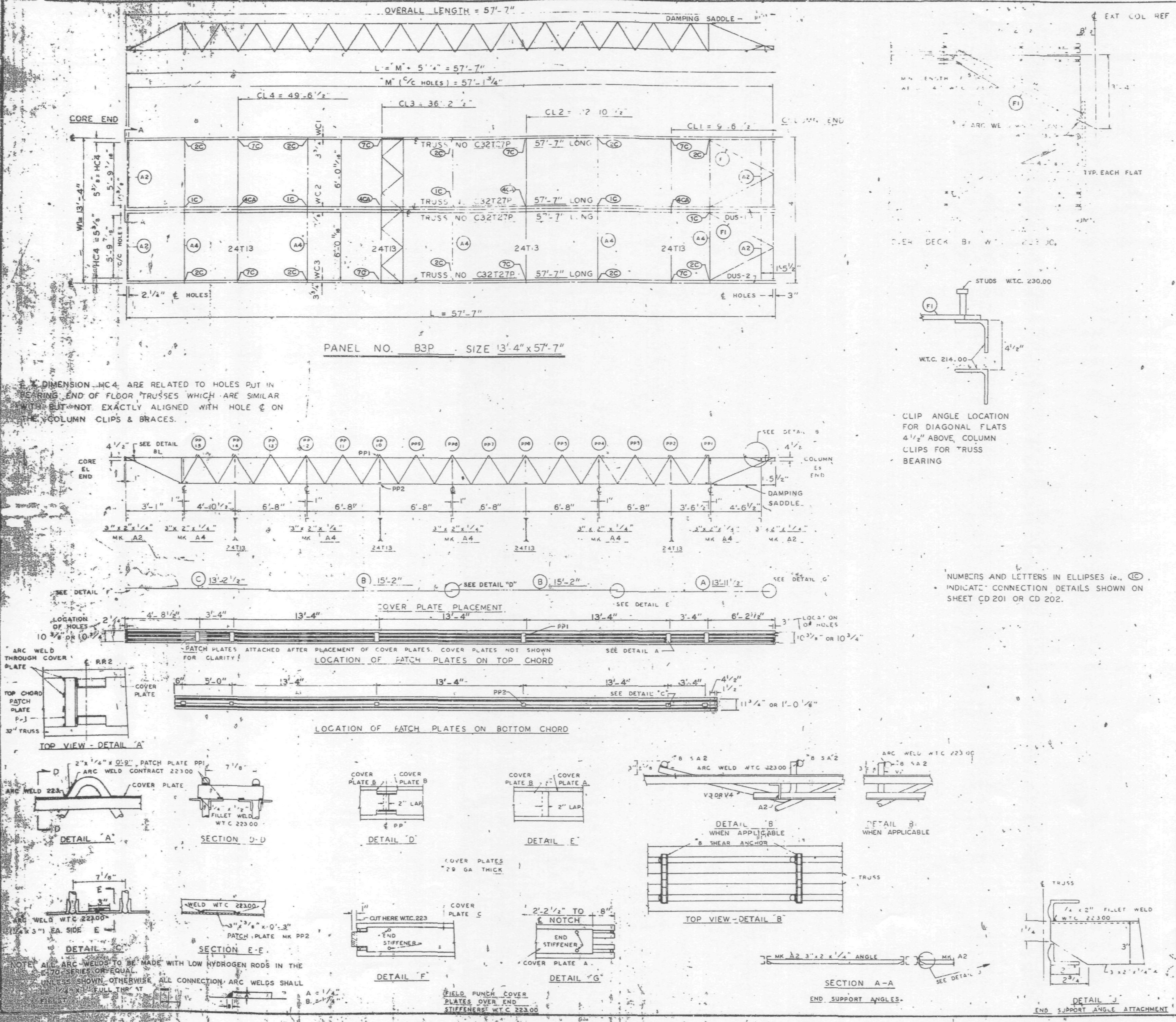
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 44 (EAST)

PANEL B3N - 13'-4" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-43	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DIV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C 221	SHEET NO. FP B3N



NUMBERS AND LETTERS IN ELLIPSES i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T27P	4	C32T27P-57'-7"	ST227P
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
[illegible] ANGLE	A2	4	3"x2"x1/4"x5'-1 9/16"	ST403
	A4	5	3"x2"x1/4"x13'-3"	ST403
[illegible]	F	4	1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	[illegible]	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
ANGLE CLIPS	C1	12	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-3 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400

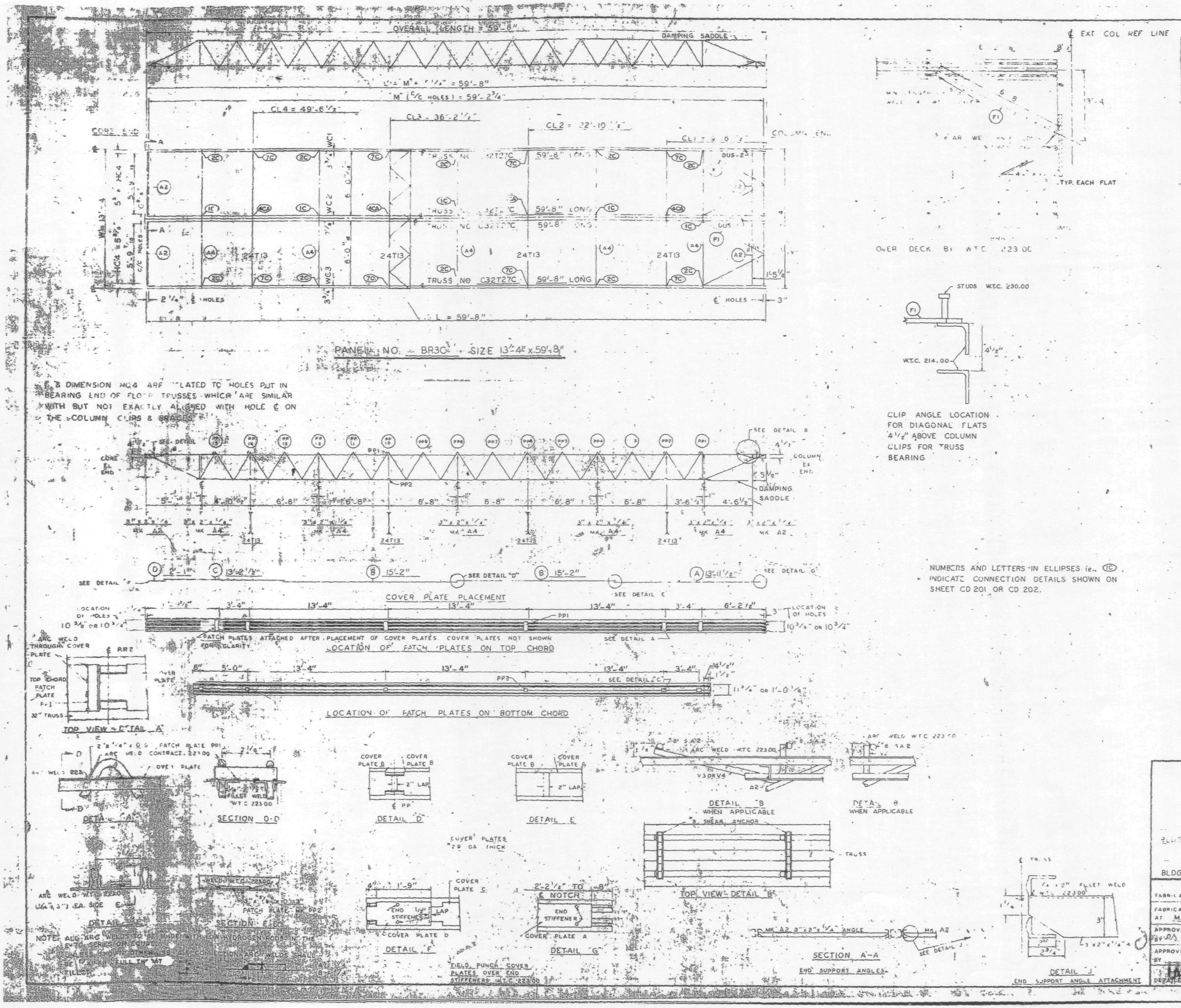
NO.	DATE	REVISION	BY

REF DRWG	
7-AB4 3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4 42	10-15-68
SA 24	1-6-69
7-AB3 43	1-6-69
7-AB 24	1-6-69
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 78 (NORTH) PANEL B3P 13'-4" x 57'-7"
BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY	
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 43 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 7/3/69	DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969 — IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER	FABRICATION CONT. NO W.T.C. 221 — SHEET NO. FP B3P



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T2 [illegible]	4	C32T[illegible]C-59'-8"	ST2[illegible]
[illegible] TRUSSES	T13	4	24T[illegible] 3"	ST 213
[illegible] ANGLE	A2	4	[illegible]	ST4[illegible]
	A4	5	[illegible]	[illegible]
[illegible] FLATS	[illegible]	4	[illegible] 2" x [illegible] x 6'-8"	[illegible]
PATCH PLATES	PP[illegible]	12	[illegible]	[illegible]
	PP2	12	[illegible]	ST4[illegible]
COVER PLATES	A	2	[illegible]	ST303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-3 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-8"	ST 400
	P3	4	4 1/2" x .39" x 1'-0	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-6	7-22-68
7-AB4-42	10-15-68
SA-4	1-6-68
7-AB3-44	1-6-69
7-AB1-24	1-6-69
7-AB2-8	7-22-68

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES [illegible] UNLESS [illegible] CONNECTION ARC WELDS SHALL BE FULL THROAT [illegible]

FLOOR PANEL DETAILS

THE PORT OF NEW YORK AUTHORITY

BLDG A FLOOR 78 (SOUTH)

PANEL BR3C 13'-4" x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-44 PLATE

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 1/31/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE APRIL 28, 1969

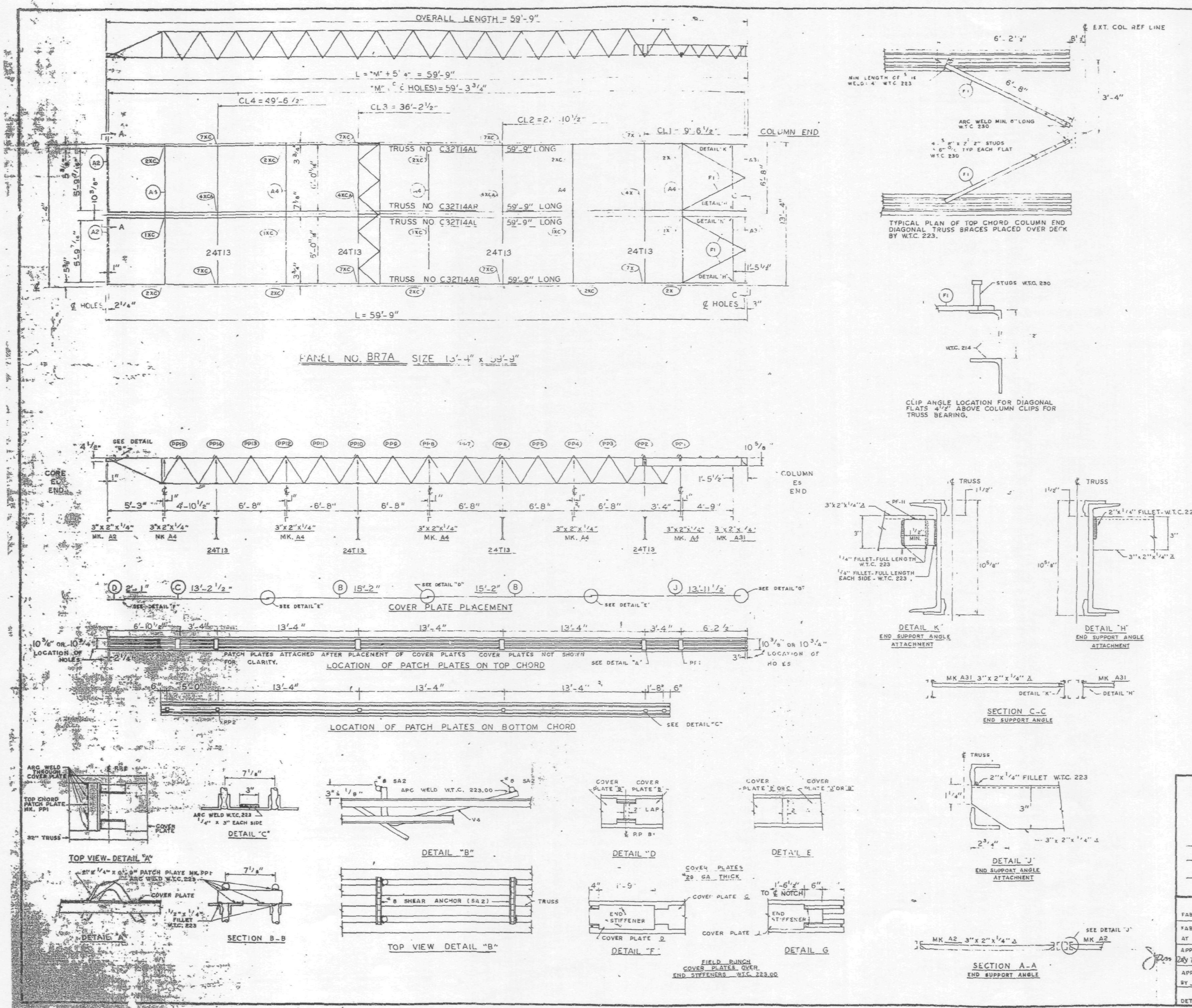
IN CHARGE OF PROD. ENG.

LACLEDE STEEL CO.

DETAILED BY A.C. WEBER

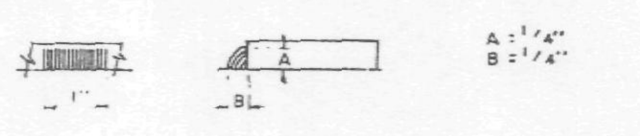
FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FD BR3C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AR
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3"x 2"x 1/4" ANGLE	A2	2	[illegible] x 5'-11 9/16"	ST 403
	A4	5	[illegible] x 12'-3"	ST 403
	A31	2	[illegible] x 5'-8 1/8"	ST 410
CLOSURE PLATES	[illegible]	[illegible]	[illegible]	ST 4 2
DIAGONAL FLATS	F	4	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	2	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	6	2"x 1 1/2"x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3" 2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4" x .39" x 0'-9"	ST 400
	P3	4	4" 2" x .39" x 1'-0"	ST 400
	P8	4	3" x 2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

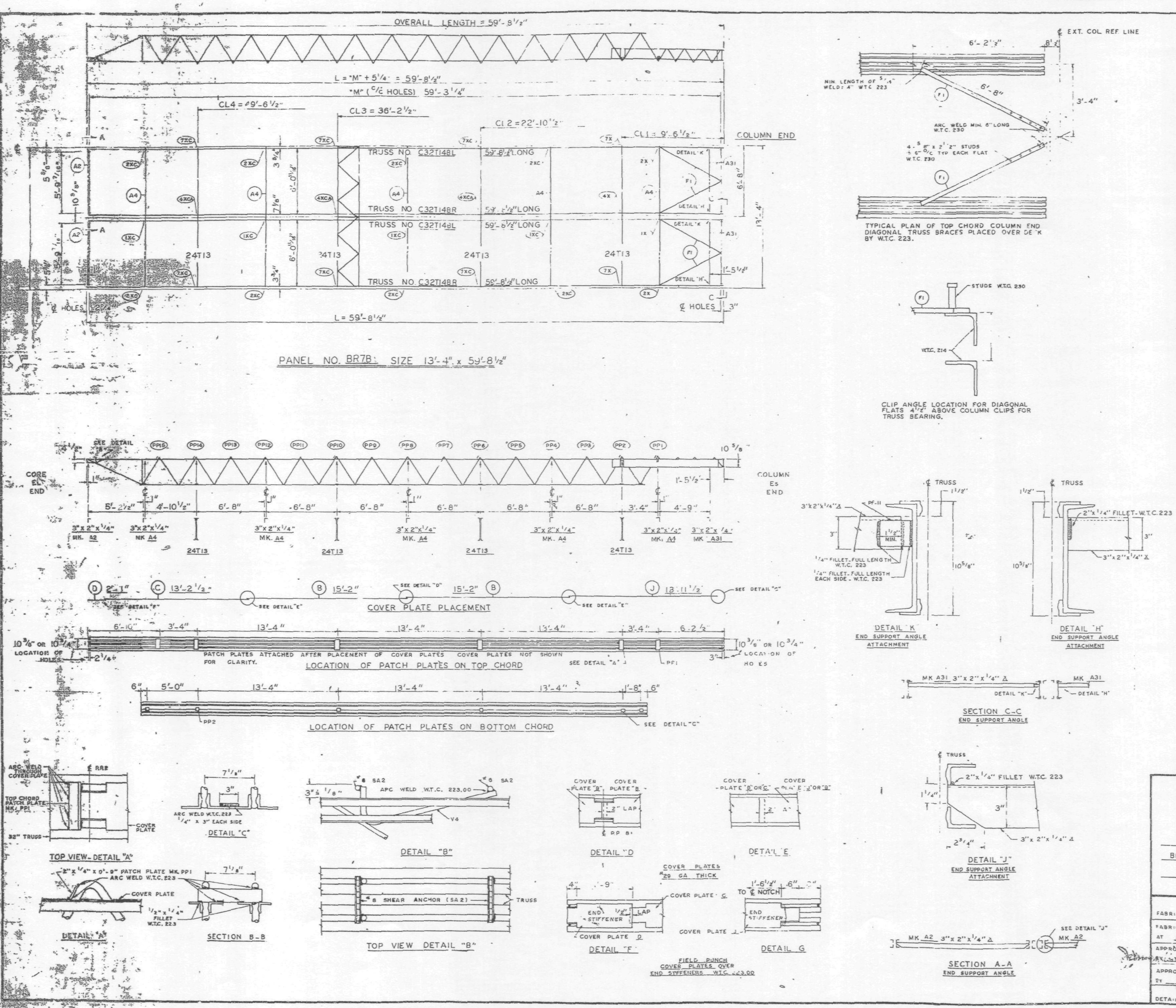
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

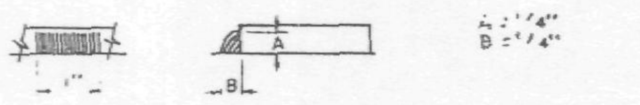
PANEL BR7A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-27 PLATE
APPROVED FOR FABRICATION FOR PONYA — DATE 6/6/69
DRAWN BY Luk DATE MAY 8, 1969
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP BR7A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T148L	2	C32T148L x 59'-8 1/2"	ST 214BL
	T148R	2	C32T148R x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3"x 2"x 1/4" x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	2	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	[illegible]	1" φ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P8	4	3"x 1 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

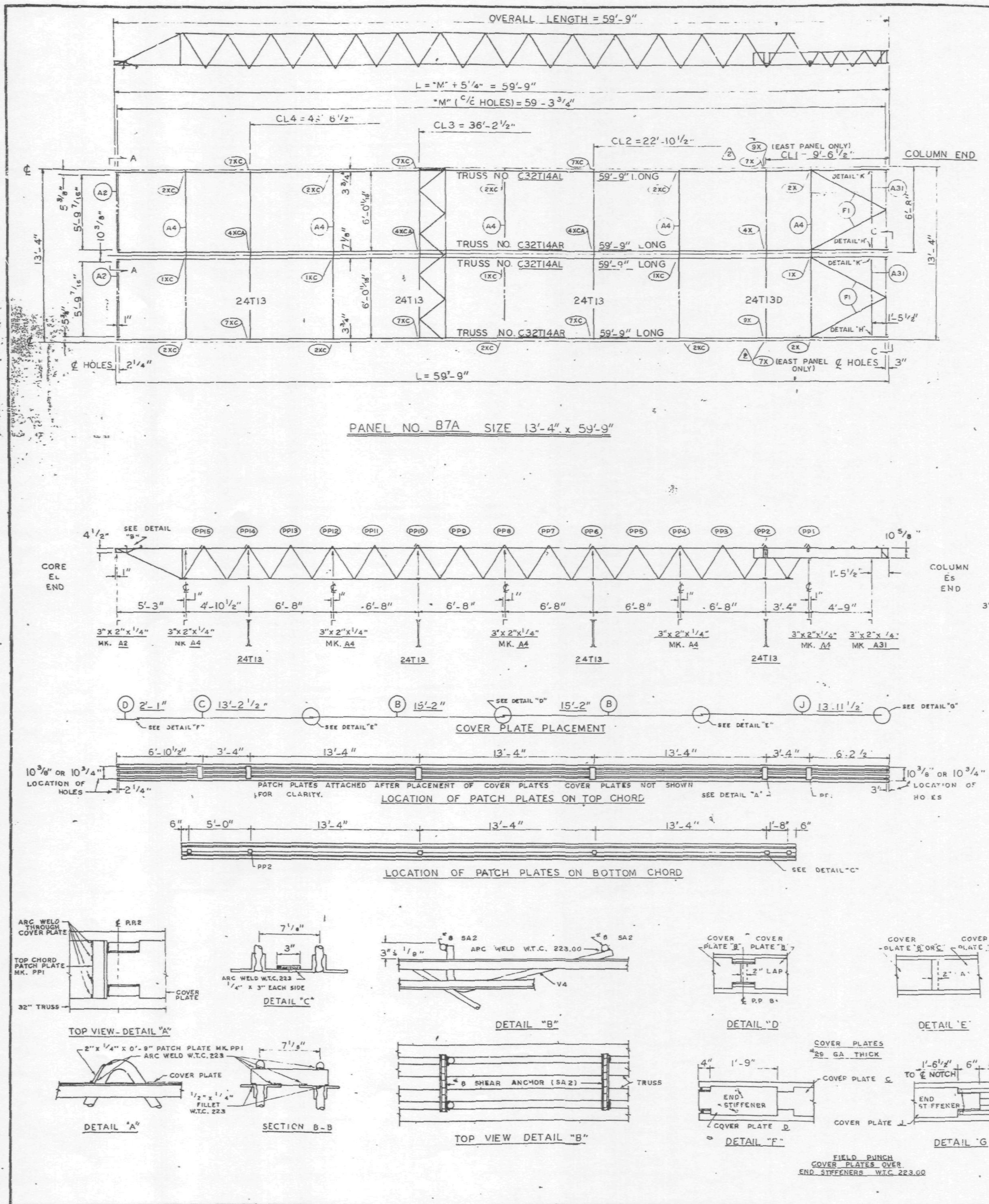
REF. DRWG.

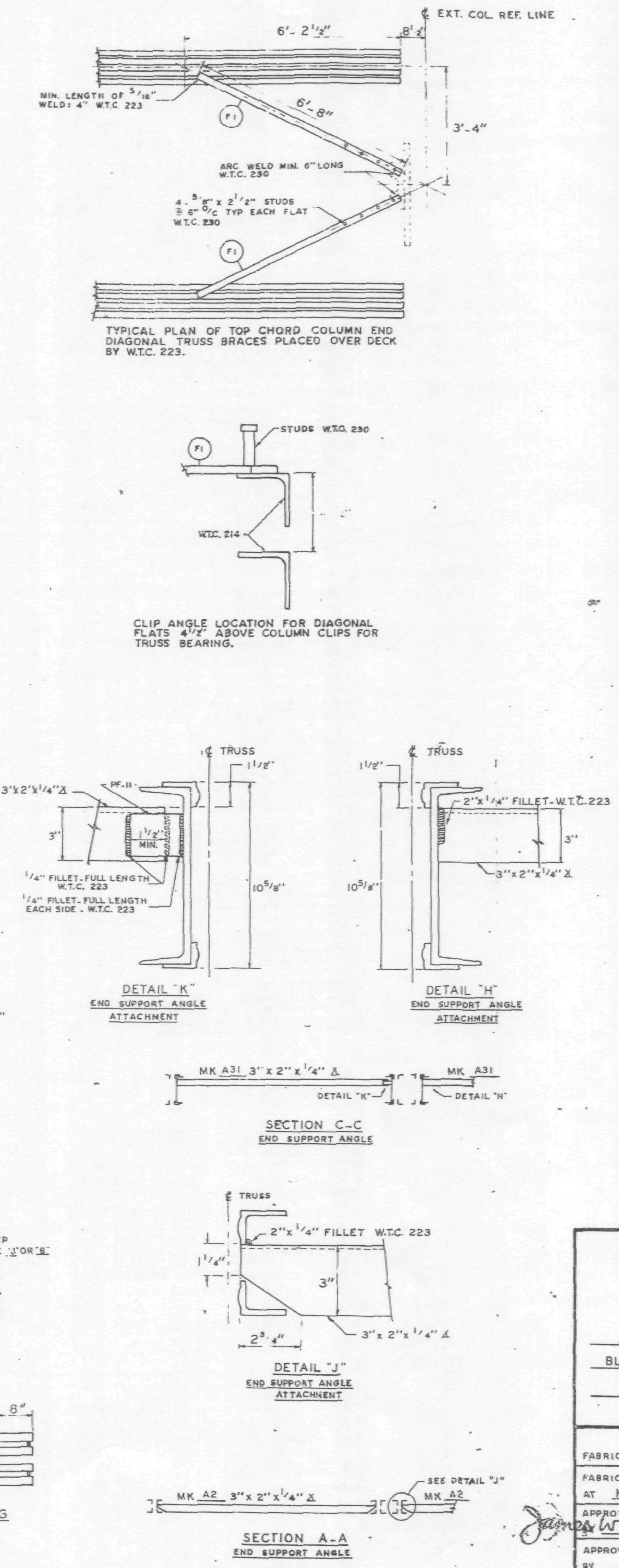
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)
PANEL BR7B - 13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-27 PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA DATE 6/6/69
DRAWN BY [signature] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY [signature] FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
LACLEDE STEEL CO.
FABRICATION CONT NO W.T.C. 221
SHEET NO FP BR7B





REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x 2"x 1/4"x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-1	[illegible]	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	" ø x 1'-3"	ST 400
CONNECTION PLATES (2)	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	3* 4	4 1/2"x .39"x 0'-9"	ST 400
	P3	3* 4	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409
(1)	P10	1*	4 1/2"x .39"x 0'-5"	ST 409
	P11	1*	3"x 1/4"x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 62 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1 1/4"
B = 1/4"

(2) MATERIAL MARKED (*) IS FOR WEST PANELS ONLY.

NO.	DATE	REVISION	BY
(2)	6-13-69	AS NOTED	G.D.C.
1	5-12-69	AS NOTED	G.A.C.

REF. DRWG.

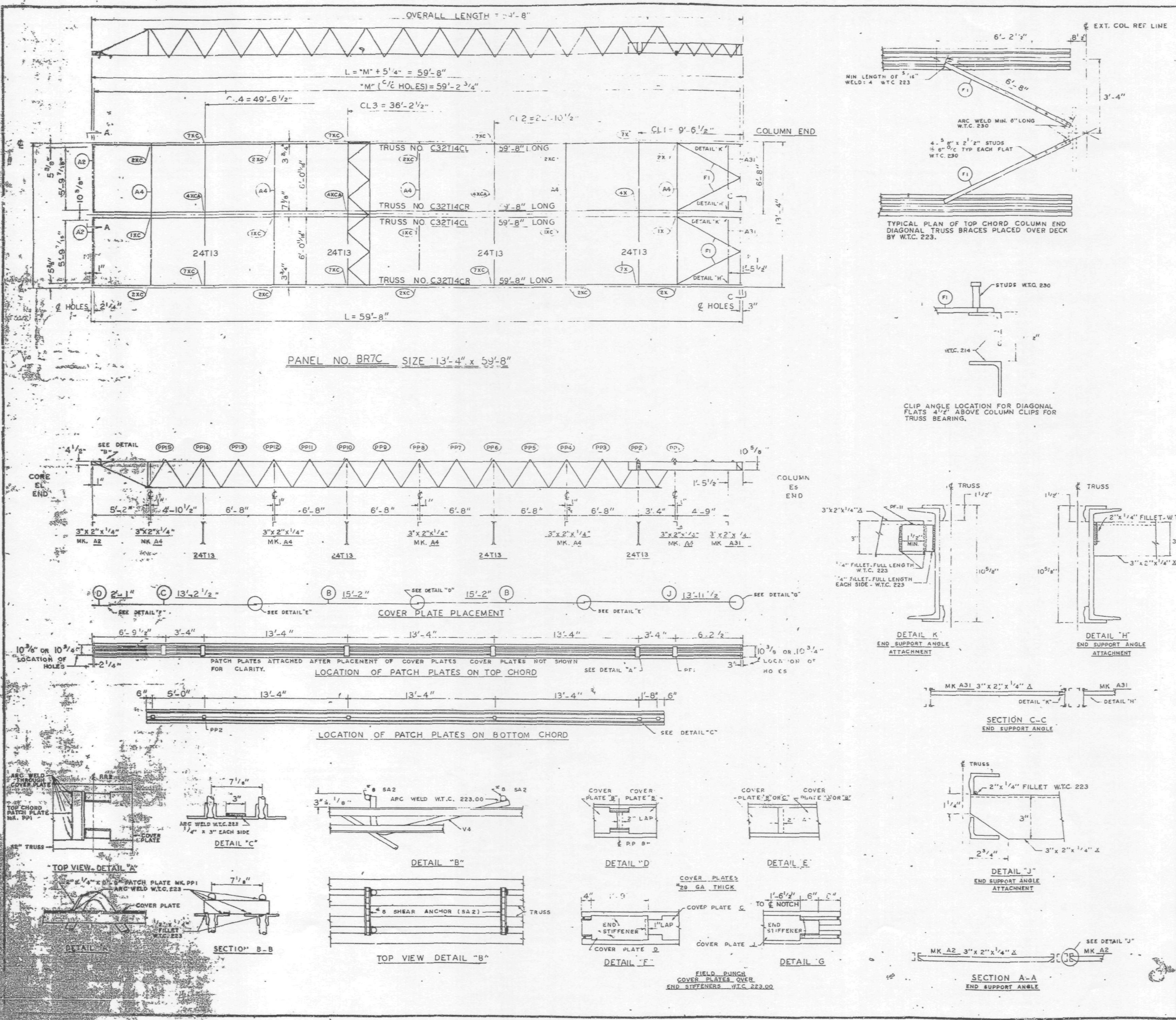
7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

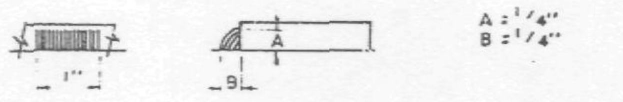
PANEL B7A-13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-26 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 6/20/69
DRAWN BY [illegible] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A. C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP B7A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	BT 213
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x 13'-3"	ST 403
	A31	2	3"x2"x1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES		2	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1"x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2"x 1/4" x 0'-9"	ST 400
	PP2	12	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	31	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 4" FULL THROAT FILLET.



NO	DATE	REVISION	BY

REF DRWG.

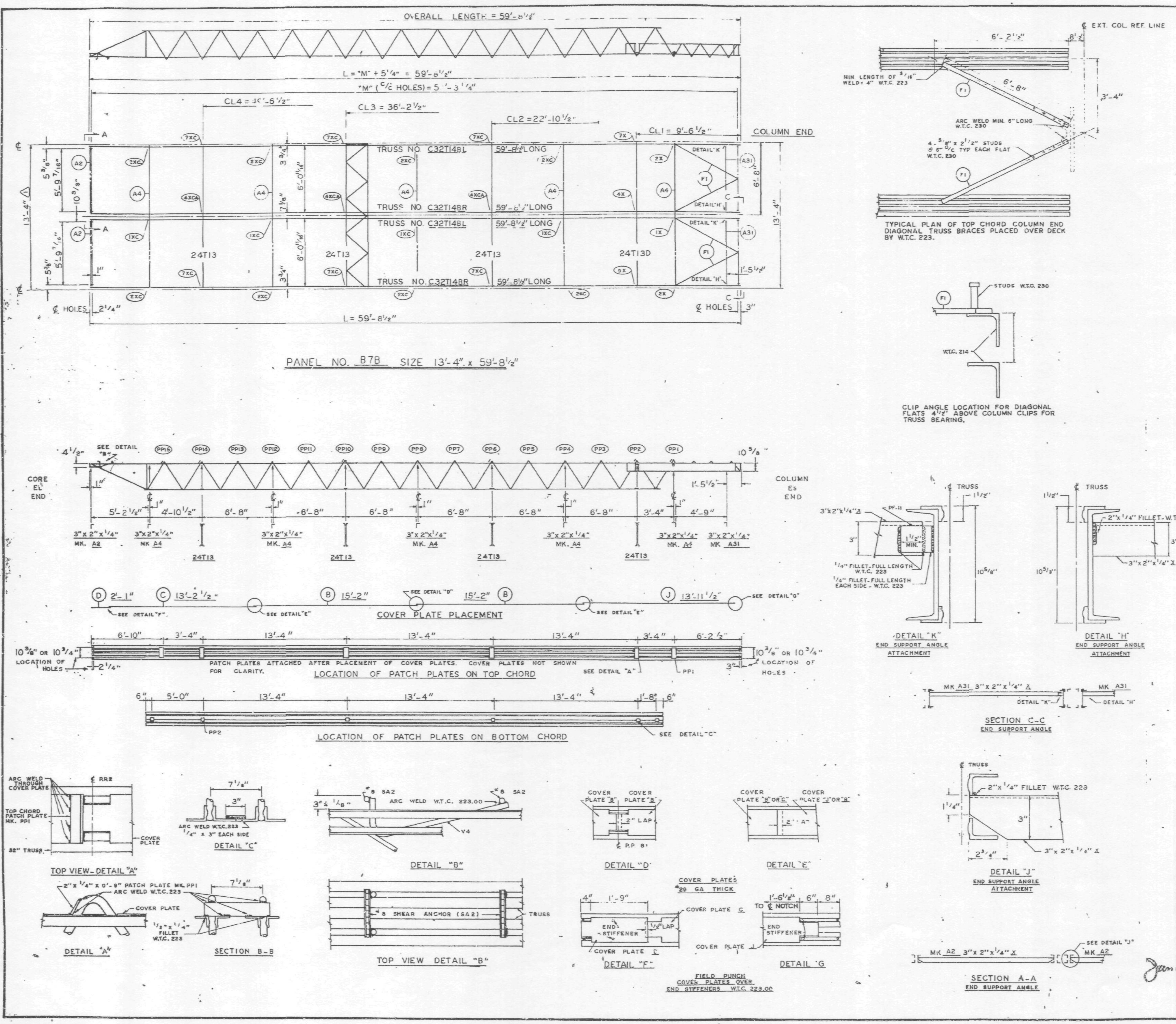
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-26	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL BR7C-13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-27 PLATE
APPROVED FOR FABRICATION BY ... FOR PONYA DATE 6/6/69
DRAWN BY ... DATE MAY 8, 1969
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP BR7C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8½"	ST 214BL
	T14BR	2	C32T14BR x 59'-8½"	ST 214BL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x ¼" ANGLE	A2	2	3"x2"x¼"x5'-11 9/16"	ST 403
	A4	5	3"x2"x¼"x13'-3"	ST 403
	A31	2	3"x2"x¼"x5'-8⅛"	ST 410
CLOSURE PLATES	PF-11	2	3"x¼"x 0'-2⅜"	ST 4_2
DIAGONAL FLATS	F1	4	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2"x¼"x 0'-9"	ST 400
	PP2	12	3"x⅜"x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2½"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11½"	ST 304
ANGLE CLIPS	C1	16	2"x1½"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3½"x⅜"x0'-6½"	ST 400
	P2	3	4½"x.39"x0'-9"	ST 400
	P3	3	4½"x.39"x1'-0"	ST 400
	P9	4	3"x½"x1'-2"	ST 409
	P10	1	4½"x.39"x0'-5"	ST 409
	P11	1	3"x¼"x0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x¼" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.

REF. DRWG.

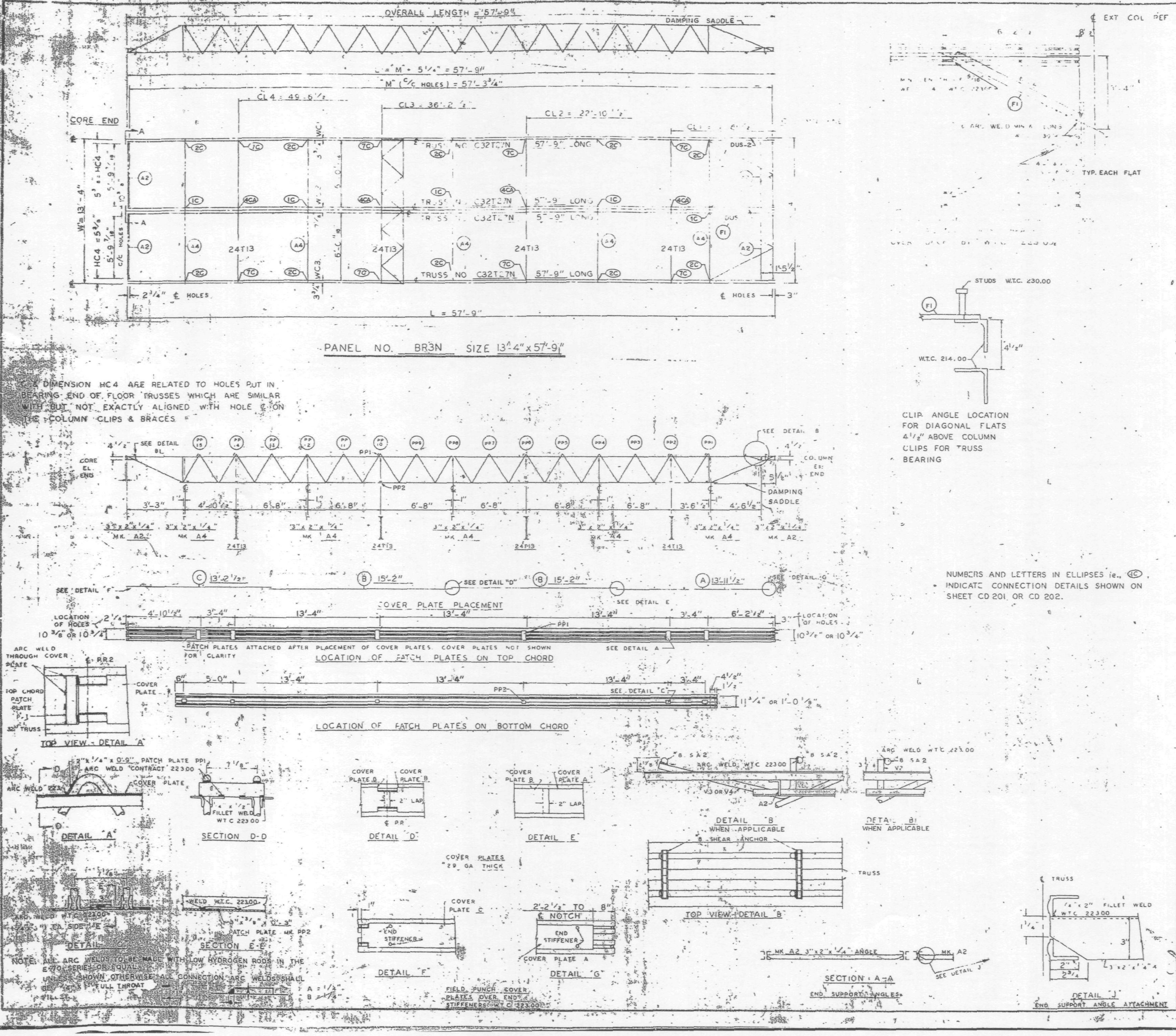
7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)

PANEL B7B - 13'-4" x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-26 PLATE
APPROVED FOR FABRICATION BY ___ FOR PONYA — DATE 6/6/69
DRAWN BY ___ DATE MAY 8, 1969
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP B7B



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]	4	C32T27N-57'-9"	ST2
[illegible]	[illegible]	4	24T13 [illegible]	BT 23
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	A4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	4	[illegible]	[illegible]
PATCH PLATES	PP2	[illegible]	[illegible]	[illegible]
COVER PLATE	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2½"	ST 303
ANGLE CLIPS	[illegible]	12	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½" x 3½" x ⅜" x 3'-3⅞"	ST 298
	DUS-2	[illegible]	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3½" x ⅜" x 6½"	ST 400
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	4	4½" x .39" x 1'-0	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-[illegible]	10-15-68
7-AB4 [illegible]	7-22-68
7-AB4-42	10-15-68
SA 124	1-6-69
7-AB3-44	1-6-69
7-AB1-24	1-6-69
7-AB4-[illegible]	7-22-68

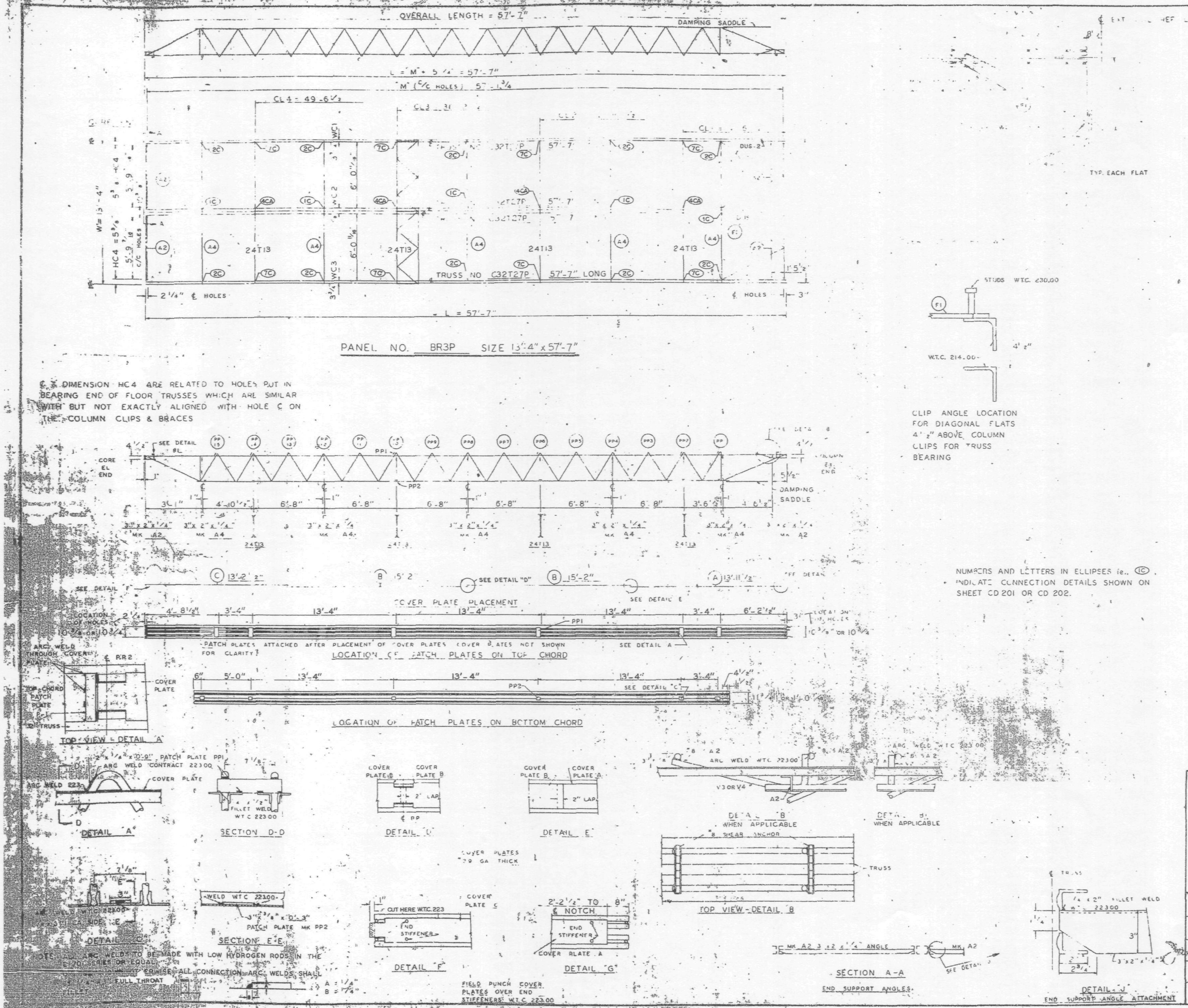
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 44 (EAST)

PANEL BR3N-13'-4" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-44	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA	DATE 7/31/69	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 25 1969	IN CHARGE OF PROD. DIV.
LACLEDE STEEL CO. DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FD BR3N



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
[illegible]	[illegible]	4	C32T[illegible]	ST[illegible]
		4	24T[illegible] 13	ST[illegible]3
[illegible] PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
[illegible]	[illegible]	12	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
[illegible] SHEAR [illegible]	[illegible]2	8	#8 REBAR x 0'-9"	ST 400
[illegible]	[illegible]	[illegible]	[illegible] x 3/8" x [illegible] 3/8"	ST298
	[illegible]2	[illegible]	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-[illegible]	ST 400

NO.	DATE	REVISION	B

REF. DRWG.

7-AB[illegible]	10-15-68
[illegible]	7-22-68
7-A[illegible]-42	10-15-68
SA [illegible]4	1-6-69
7-A53-44	1-6-69
[illegible]-A31-24	1-6-69
[illegible]	7-22-68

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER [illegible] FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (NORTH)

PANEL BR3P 13'-4" x 57'-7"

BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-A83-44

PLATE

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 7/3/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

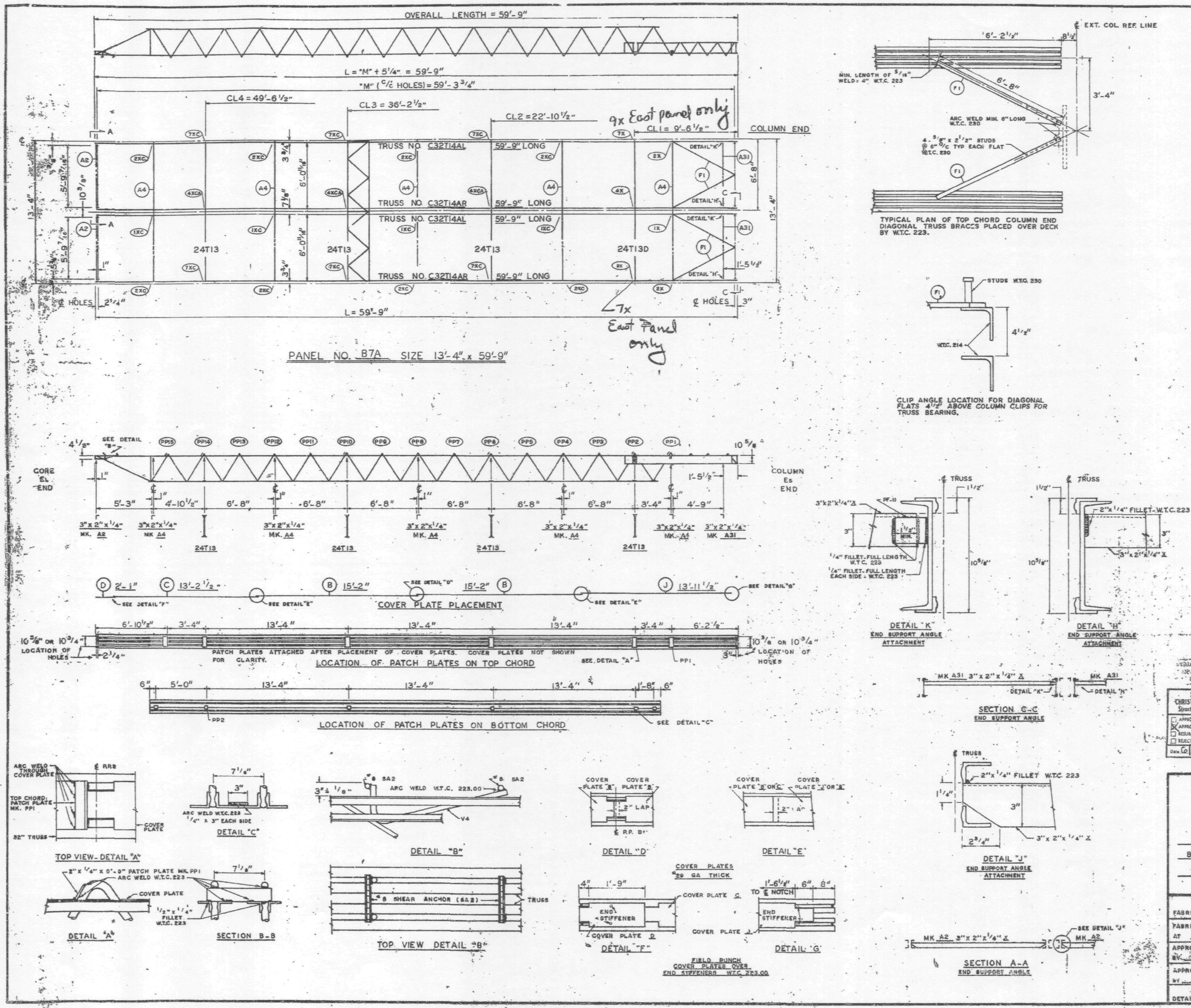
CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET FD BR3P



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/3"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 8"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES ⚠1	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3* 4	4 1/2" x .39" x 0'-9"	ST 400
	P3	3* 4	4 1/2" x .39" x 1'-0"	ST 400
	P8	4	3" x 1/2" x 1'-2"	ST 40[illegible]
	P10	1*	4 1/2" x .39" x 0'-5"	ST 4[illegible]
	P11	1*	3" x 1/4" x 0'-6"	ST 40[illegible]

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

Material marked * is for West panel only

NO.	DATE	REVISION	BY
⚠1	5-12-69	AS NOTED	G.D.

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 6/6/69 By SK

REF DRWG.

7-AB3-28	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL B7A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-26 PLATE

APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE

DRAWN BY L.R. DATE MAY 8, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE MAY 8, 1969

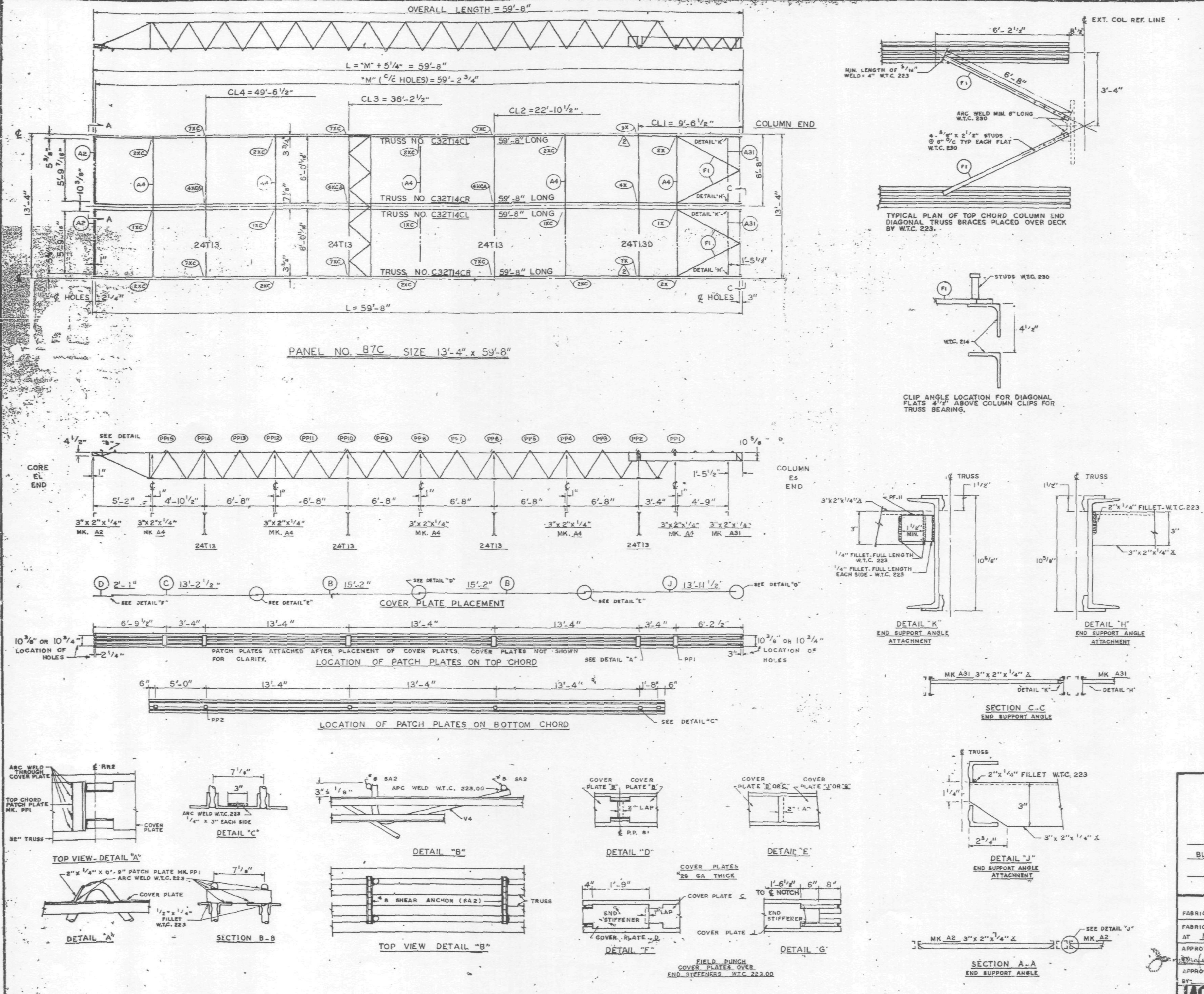
IN CHARGE OF PROD. DEV.

[redacted]

DETAILED BY A.C. WEBER

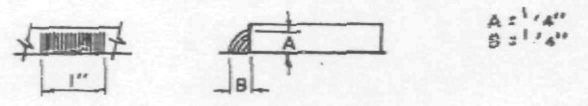
FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP B7A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/2"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES (2)	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P8	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
(2)	6-16-69	AS NOTED	G.D.
(1)	5-12-69	AS NOTED	G.D.

REF. DRWG.		
	7-AB3-26	10-4-68
	7-AB1-13	10-4-68
	7-AB2-8	7-22-68
	7-AB4-28	7-22-68
	SB-124	3-24-69
	7-AB3-24	8-15-68

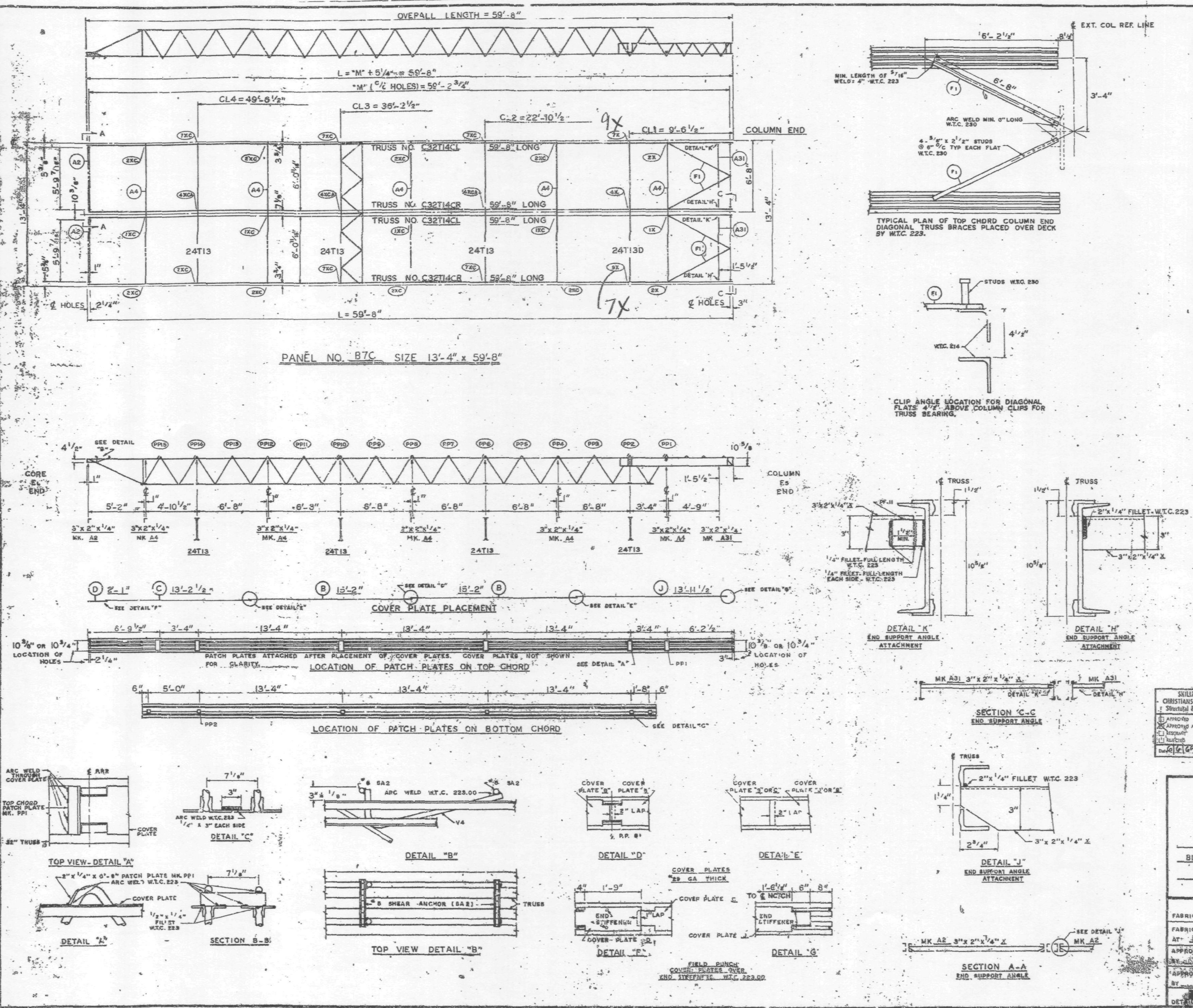
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL B7C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-26	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE 7/28/69	DRAWN BY ___ DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP B7C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 8"	ST 409
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3	4 1/2" x .39" x 0'-9"	ST 400
	P3	3	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409
⚠1	P10	1	4 1/2" x .39" x 0'-5"	ST 409
	P11	1	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.

REF DRWG.

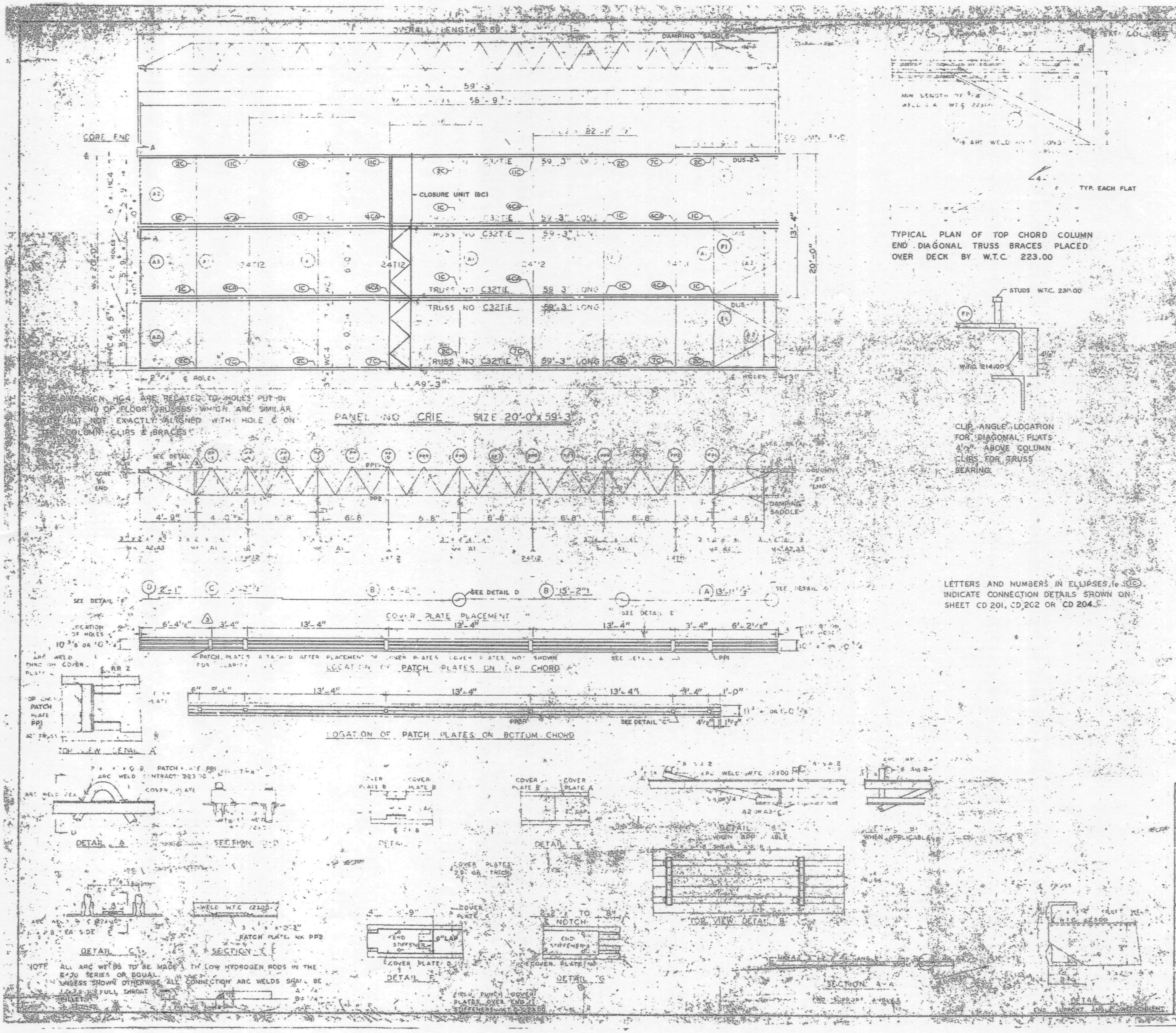
7-AB3-26	10-4-68
-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-2*	7-22-68
SO-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL B7C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-26
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY L.R. DATE MAY 8, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURAS DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DET. [redacted]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B7C



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DWG.
FLOOR TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] TRUSSES	[illegible]	[illegible]	24T[illegible]	[illegible]
	T.2	[illegible]	[illegible]	ST 212
[illegible] ANGLE	A1	[illegible]	[illegible]	ST 40[illegible]
	[illegible]	[illegible]	[illegible]	ST 403
	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	[illegible] .035 [illegible]	[illegible]
	[illegible]	3	[illegible] 0.35 [illegible]	[illegible]
	[illegible]	3	[illegible] .35 x 2'-1"	[illegible]
ANGLE CLIPS	[illegible]	21	[illegible]	ST 400
SHEAR ANCHOR	SA2	9	[illegible] REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS 2	[illegible]	3 1/2 x 3 1/2 x 3/8 x 3'-6 7/8	ST 298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT 212 CD 203
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	[illegible]	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
3	6-9-69	AS NOTED	G.D.C.
2	10-16-68	MAT'L LIST	G.D.C.
1	7-17-68	GENERAL	T.M.

[illegible]	10-15-68
[illegible]	7-22-68
[illegible] 84 41	7-22-68
SA 24	1-6-69
[illegible] 583 7	[illegible]
[illegible] 4	7-22-68
7 A82 6 & 7	7-22-68
7 A84-42	10-15-68

10-11 (SOUTH)

PANEL CRIE

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON ILLINOIS

DESIGN DRAWING NO 7 583 8 4-1-68

APPROVED FOR FABRICATION FOR PONYA DATE 1/2/70

DRAWN BY [illegible] DATE APRIL 10, 1968

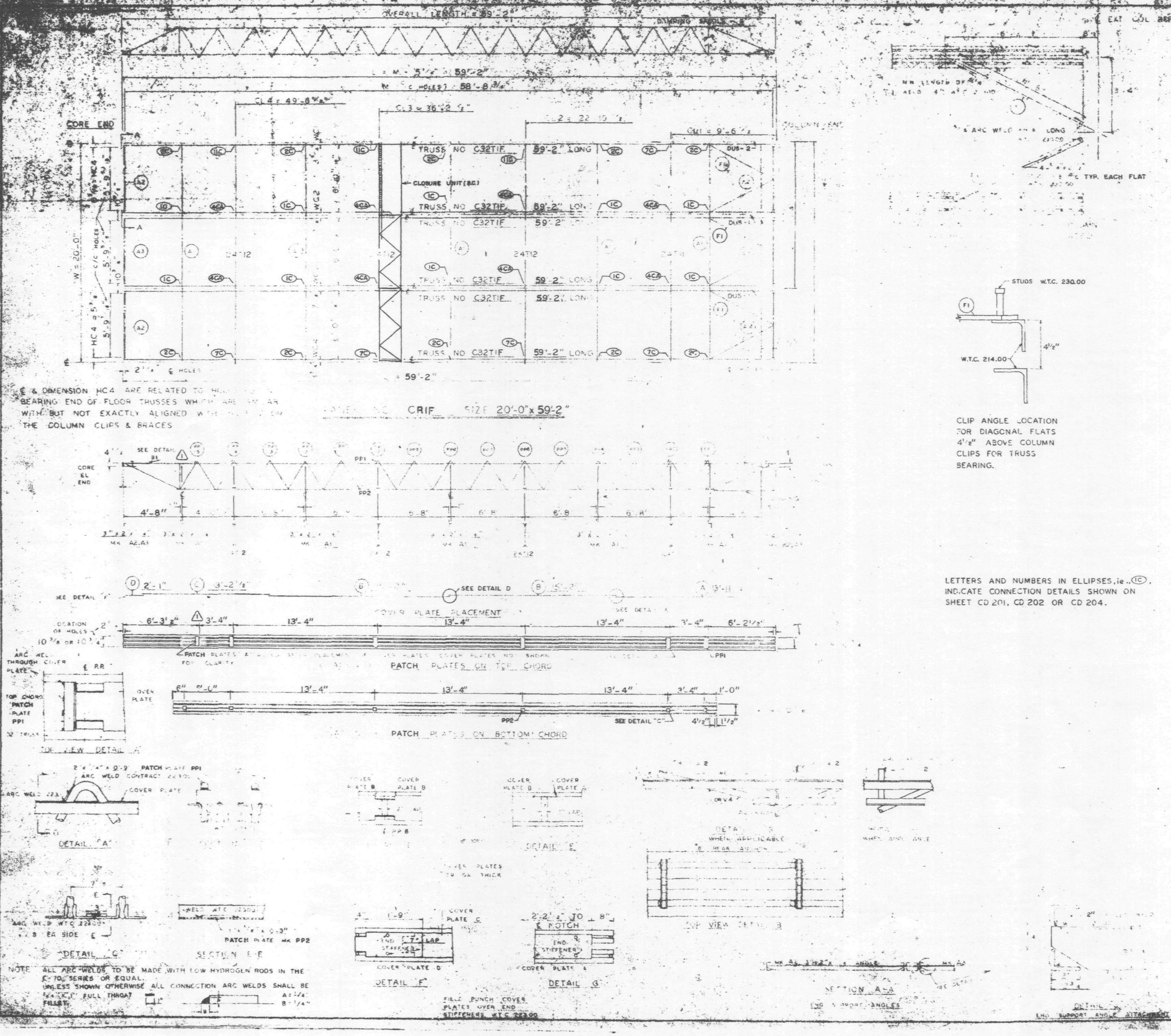
CHECKED BY J.R. PAUL DATE APRIL 10, 1968

IN CHARGE OF PROD. DEV.

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

FABRICATION CONT. NO. WTC 221

SHEET NO FP-CRIE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	TIF	6	C32TIF + 59'-2"	ST201F
BRIDGING TRUSSES	[illegible]	1	24T11 - 19'-11"	BT211
	T2	3	24T12 - 19'-11"	BT212
3 x 2" x ¼" ANGLE	A1	5	3 x 2" x ¼" x 19'-11"	ST 403
	A2	4	3 x 2" x ¼" x 5'-11 9/16	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]¾"	ST 403
DIAGONAL FLATS	F1	6	1½" x [illegible]" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x 0'-[illegible]"	ST 400
	PP2	18	[illegible]	ST 400
[illegible] PLATES	[illegible]	3	[illegible] .135" x 13'-[illegible]"	ST303
	B	6	[illegible] .135" x 15'-2"	ST303
	C	3	[illegible] x .0135" x [illegible] 2½"	ST303
	D	3	[illegible] .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x [illegible]	ST 400
#8 SHEAR ANCHOR	S	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3' 6⅞"	ST298
	DUS-2	1	[illegible] x 3' 6⅞"	ST298
CONNECTION BAR	CB1	4	1[illegible] x 1'-[illegible]"	ST 400
CLOSURE UNIT	BC	3	2 4 x 1½" x 1¼" x .230 x 6'-6½"	BT212 / CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NO.	DATE	REVISION	BY
1	8-9-69	AS NOTED	G.D.C.

℄ & DIMENSION HC4 ARE RELATED TO [illegible] BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH [illegible] THE COLUMN CLIPS & BRACES

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼" FULL THROAT FILLET.

FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00

7-ABA-[illegible]	10-15-68
[illegible]	7-22-68
7-ABA-41	7-22-68
[illegible]	1-6-69
7-AB3-[illegible]	1-3-[illegible]
[illegible]	7-22
[illegible]	7-22-68
7-AB4-42	10-15-68

[illegible] TRADE CENTER N.Y.C.

THE PORT OF NEW YORK AUTHORITY

47-48 (S) 47-48, 70-71 (N)

PANEL CRIF [illegible] x 59'-2"

BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3 8

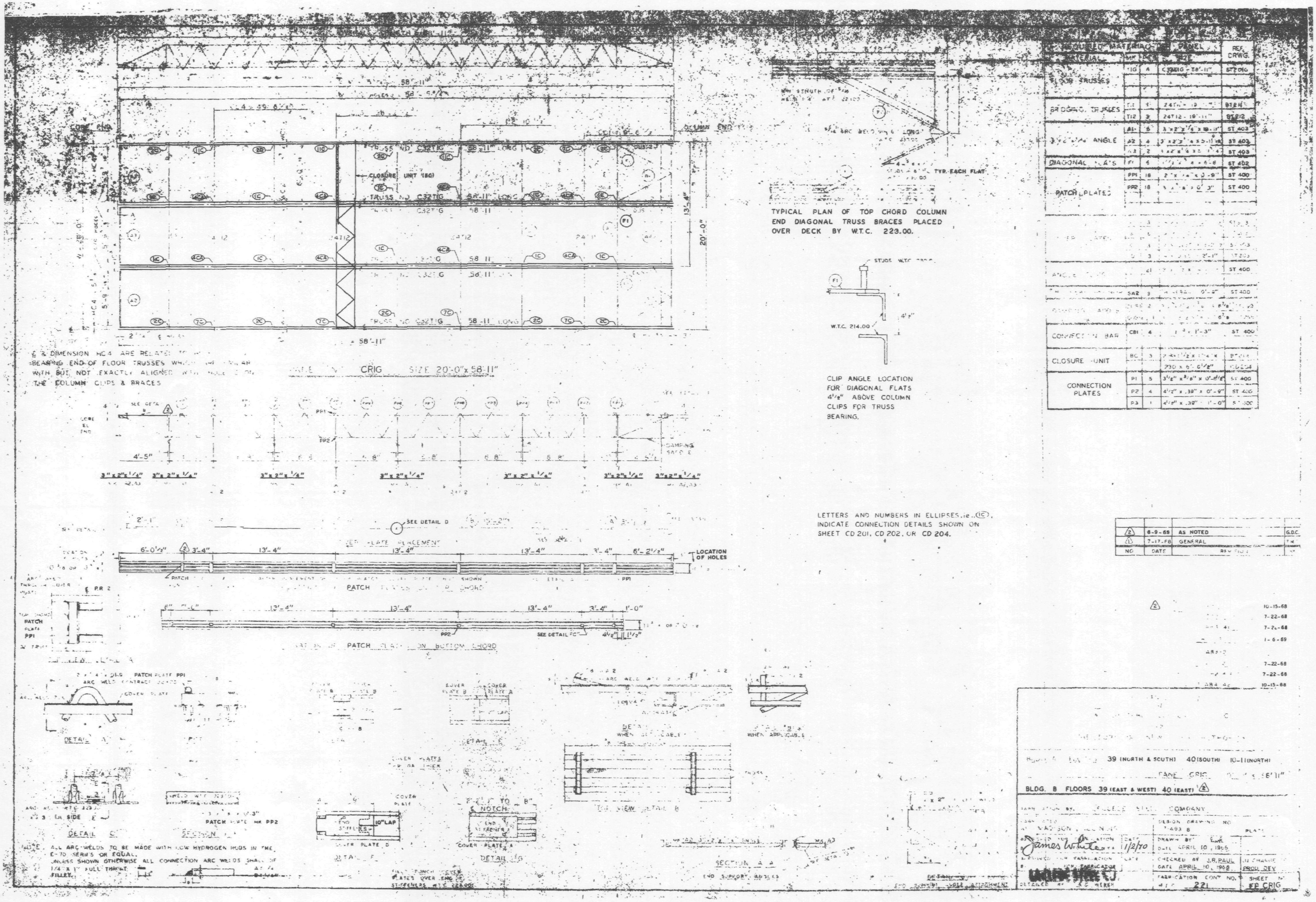
APPROVED FOR FABRICATION BY James White FOR PONYA — DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

CHECKED BY T.M.CHURA DATE OCT. 23, 1968 — IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. W.T.C. 221 — SHEET NO. FP-CRIF



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	NO.	SIZE	
FLOOR TRUSSES	1G	A	C32T1G - 58'-11"	ST 201G
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x¼" ANGLE	A1	5	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
[illegible]	[illegible]	3	[illegible]	[illegible]
	[illegible]	6	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
	[illegible]	3	[illegible] 2'-1"	[illegible]
ANGLE [illegible]	[illegible]	21	[illegible]	ST 400
[illegible]	SA2	9	[illegible] 0'-8"	ST 400
[illegible] ANGLE	[illegible]	2	[illegible]	[illegible]
	[illegible]	1	[illegible]	[illegible]
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible]	[illegible]
			230 x 6'-0½"	[illegible]
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-8½"	ST 400
	P2	4	4½" x .38" x 0'-9"	ST 400
	P3	1	4½" x .38" x 1'-0"	ST 400

NO	DATE	REVISION	
2	8-9-68	AS NOTED	G.D.C.
1	7-17-68	GENERAL	[illegible]

BLDG. A FLOORS 39 (NORTH & SOUTH) 40 (SOUTH) 10-11 (NORTH)

PANEL CRIG 20'-0" x 58'-11"

BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) (2)

FABRICATION BY [illegible] STEEL COMPANY

DESIGN DRAWING NO. 7-493 B

APPROVED FOR FABRICATION: James White — DATE 1/2/70

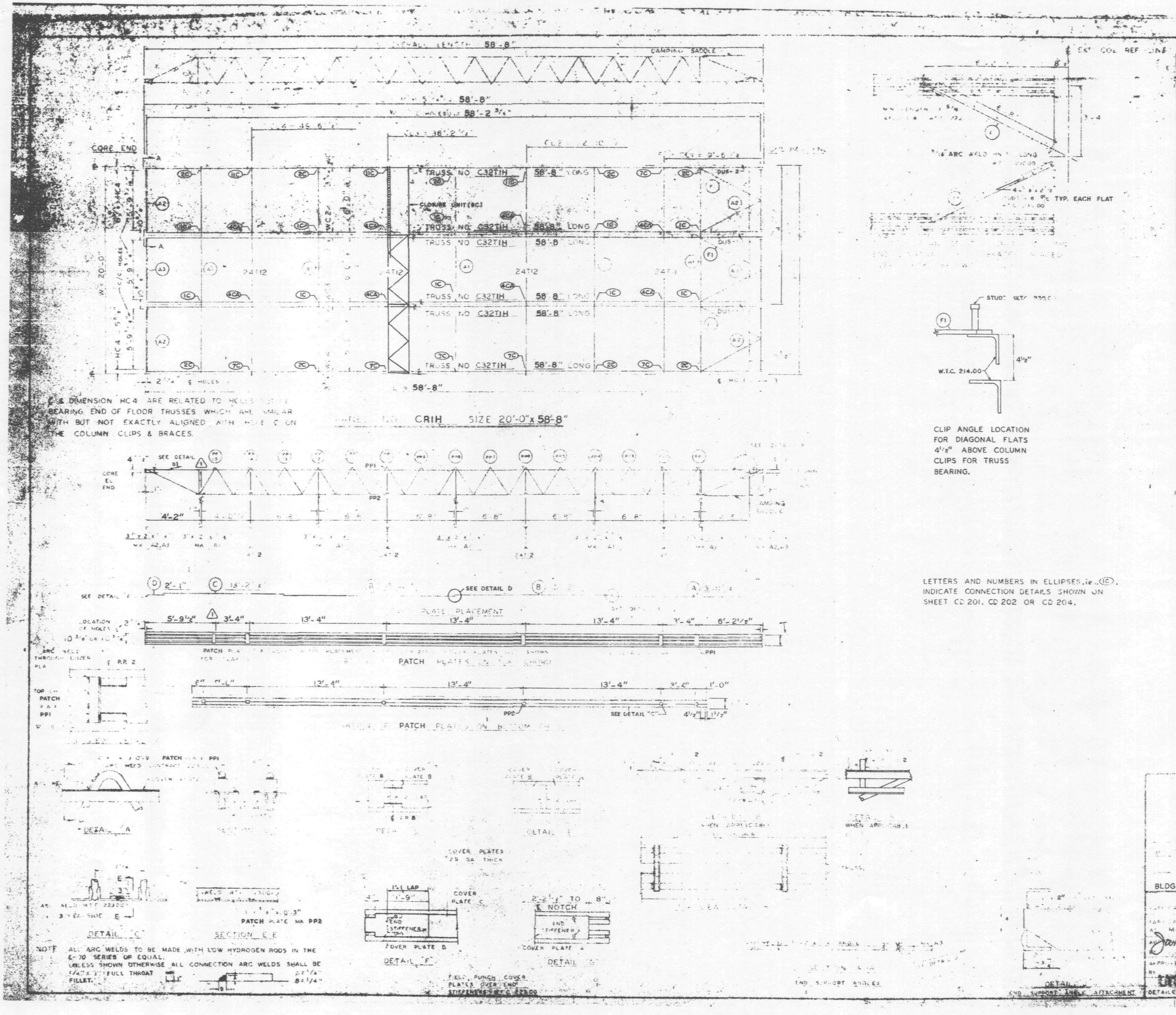
DRAWN BY: [illegible] — DATE APRIL 10, 1968

CHECKED BY J.R. PAUL — DATE APRIL 10, 1968 — IN CHARGE OF PROD. DEV.

DETAILED BY [illegible]

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP CRIG



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	6	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T11	1	24T... 9'-1"	BT211
	T12	3	24T12 - 19'-11"	BT212
3 x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST303
	B	6	[illegible] x 13'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x 0135 x 2'-1"	ST303
ANGLE CLIPS	[illegible]	21	[illegible] x 0'-6	ST 400
#6 SHEAR ANCHOR	SA2	9	#6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-2	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 ∠ 1 1/2" x 1 1/4" x 230 x 6'-6 1/2"	BT212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

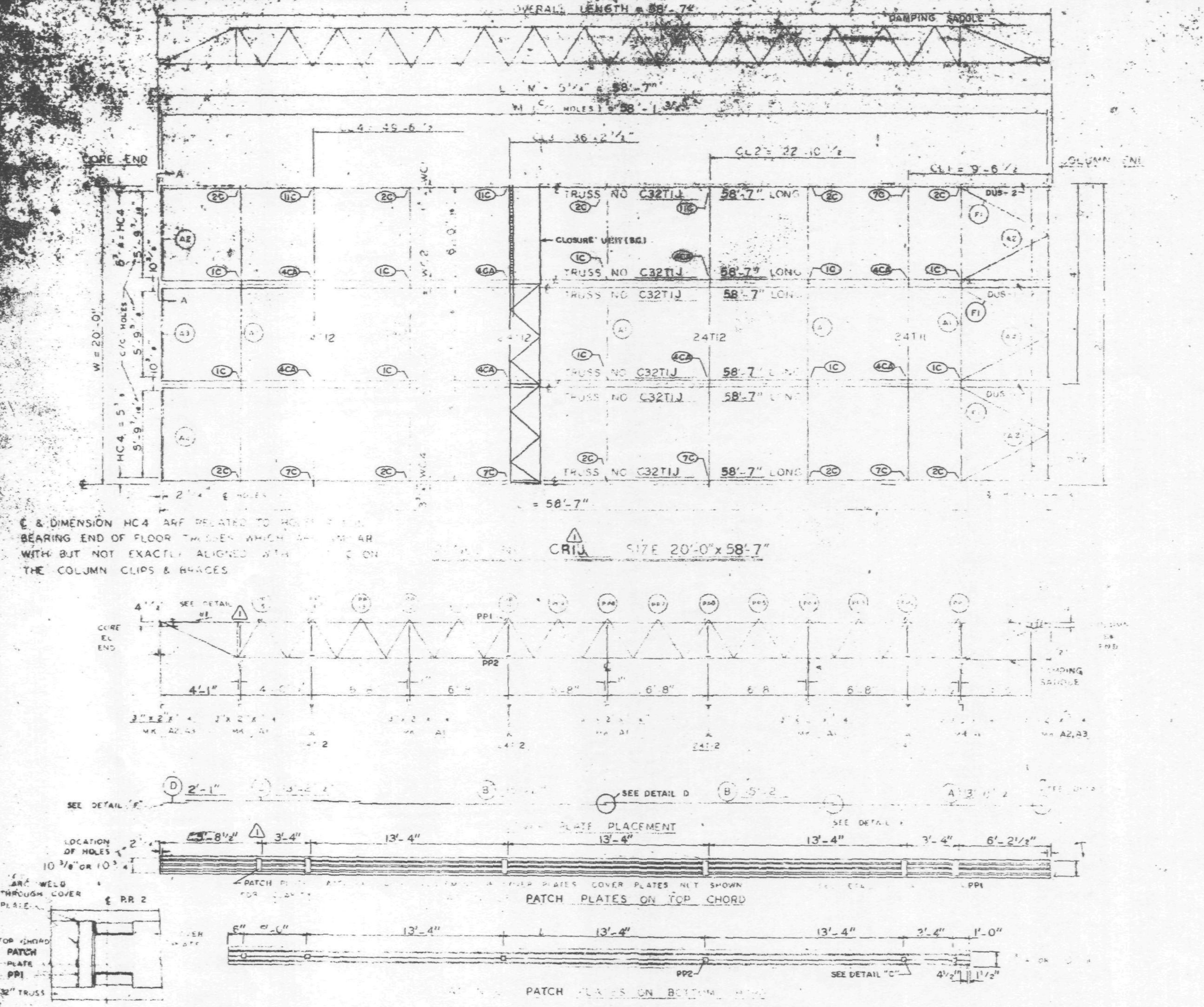
NO.	DATE	REVISION	
1	6-9-69	AS NOTED	G.D.C.

10-15-68
7-22-68
7-22-69
1-6-69
7-22-69
7-22-69
10-15-68

WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
79-80 (N)
CRIH 20'-0" x 58'-8"
BLDG. 8 FLOORS 79-80 (WEST) 1

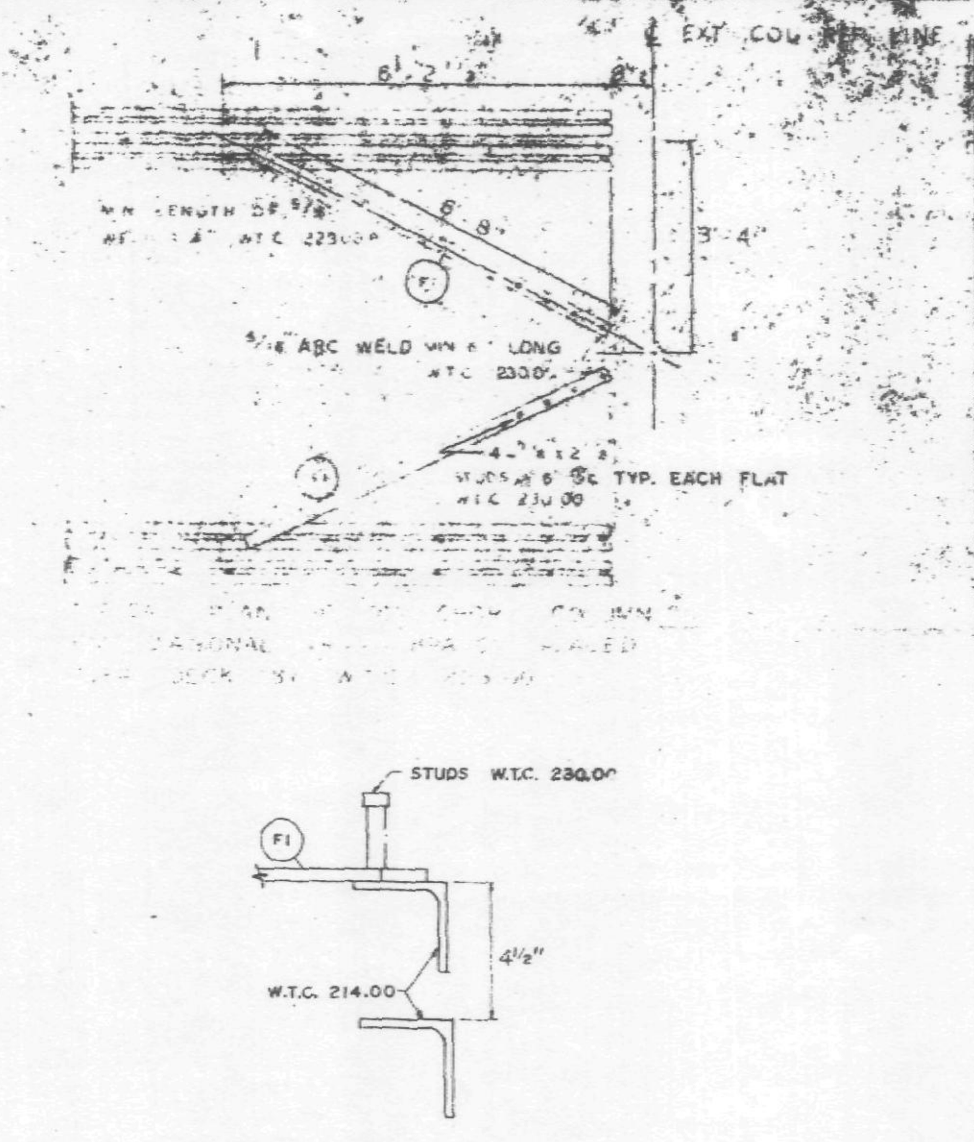
FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 1/2/70	DESIGN DRAWING NO. ABS 8	PLATE
		DRAWN BY [illegible] DATE OCT. 23, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE OCT. 23, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP CRIH



€ & DIMENSION HC4 ARE RELATED TO ... BEARING END OF FLOOR TRUSSES WHICH ... WITH BUT NOT EXACTLY ALIGNED WITH ... THE COLUMN CLIPS & BRACES

PANEL CRIJ SIZE 20'-0" x 58'-7"



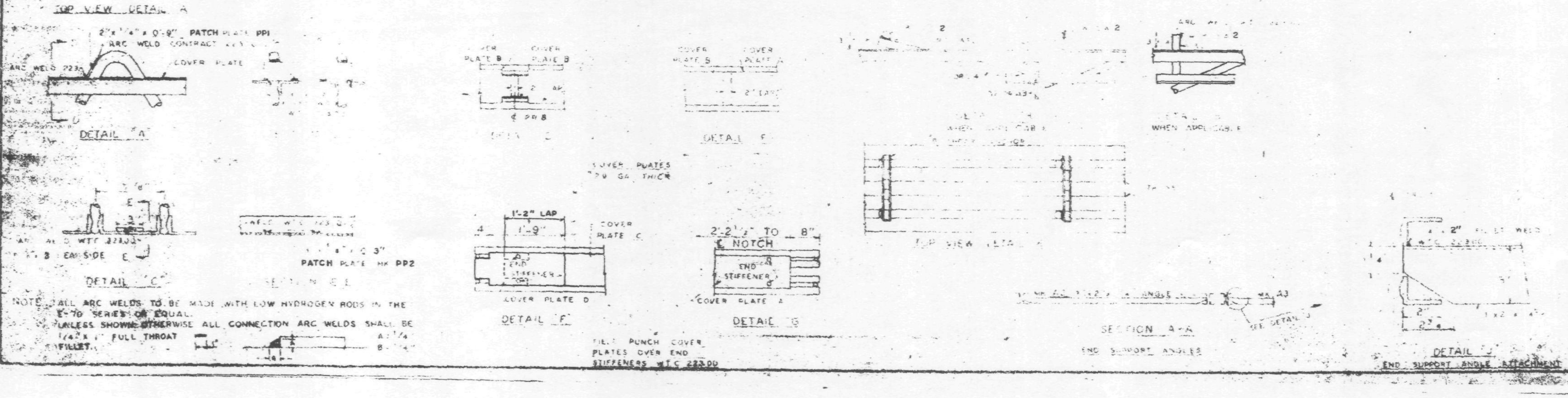
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1J	6	C32T1J - 58'-7"	
BRIDGING TRUSSES	J11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x¼" ANGLE	A1	8	3"x2"x¼"x19'-11"	ST 400
	A2	4	3"x2"x¼"x8'-11 9/16"	ST 402
	A3	2	3"x2"x¼"x5'-11 3/4"	ST 400
DIAGONAL FLATS	F1	6	1½"x⅜"x6'-8"	ST 402
PATCH PLATES	PP1	18	2"x¼"x0'-9"	ST 400
	PP2	18	3"x⅜"x0'-3"	ST 400
COVER PLATES	A	3	9"x0.35"x13'-11½"	ST303
	B	6	9"x0.135"x13'-2"	ST303
	C	3	9"x.0135"x13'-2½"	ST303
	D	3	9"x0.135"x2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1½"x¼"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DS1	2	2"x3½"x⅜"x3'-6⅞"	ST298
	DS2	1	2"x3½"x⅜"x3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4x1½"x1¼"x	BT212
			230 x 6'-6½"	C3P04
CONNECTION PLATES	P1	5	3½"x⅜"x0'-6½"	ST 400
	P2	4	4½"x.39"x0'-9"	ST 400
	P3	1	4½"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

REF.	
7-AB4-3	10-15-69
7-AB4-... & 39	7-22-68
7-AB4-41	7-22-68
SA-...	1-6-69
7-AB3-...	1-3-68
7-...	7-22-66
7-... & 7	7-22-66
7-AB4-42	10-15-68



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40 (N)

PANEL CRIJ ... x 58'-7"

BLDG. B FLOORS 40 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 1/2/70

DRAWN BY ... DATE OCT 23, 1968

APPROVED FOR FABRICATION BY ... FOR FABRICATOR

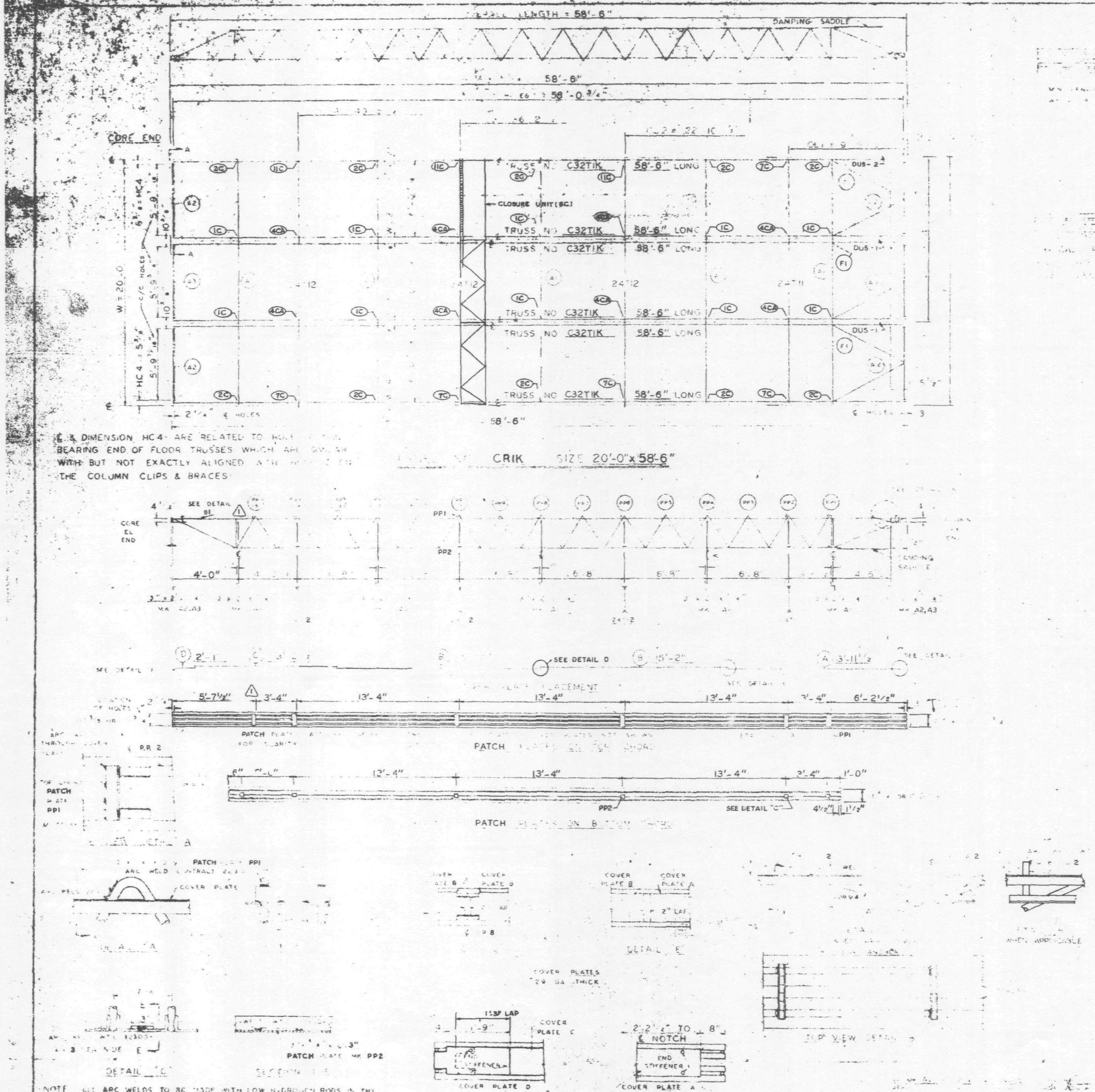
CHECKED BY T.M. CHURN DATE OCT 23, 1968

IN CHARGE OF PRODUCTION

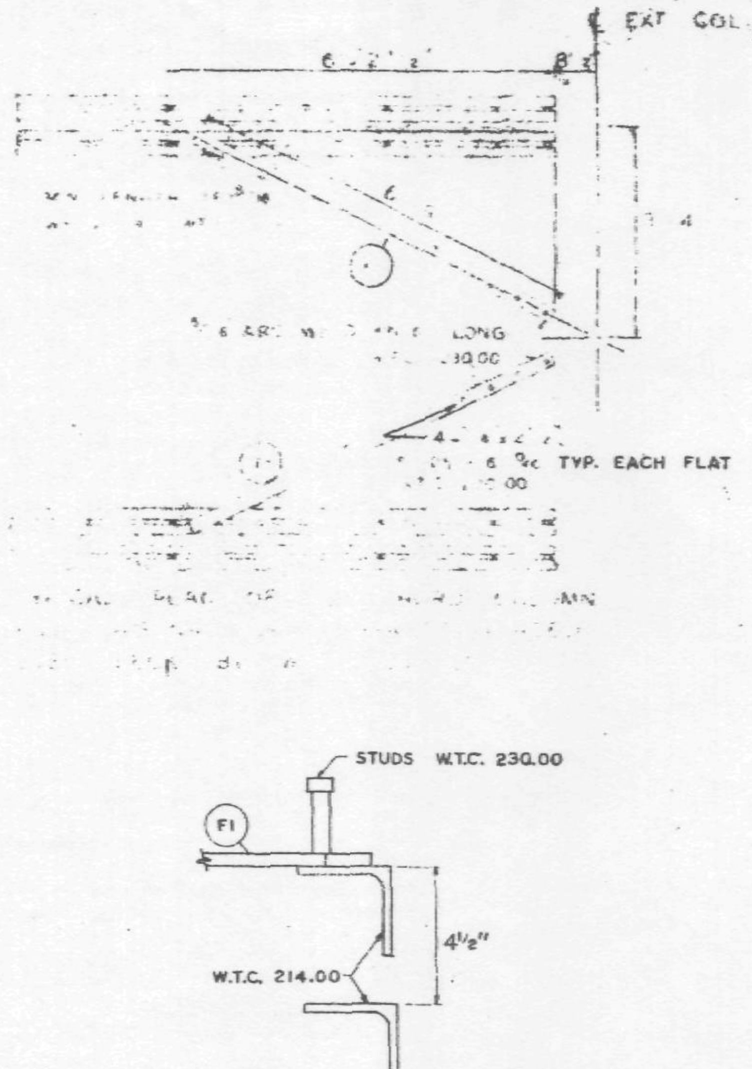
DETAILED BY LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

CRIJ



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4 FULL THROAT FILLET.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	6	C32T1K - 58'-6"	ST201K
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x18'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	S1	6	1 1/2"x5/8"x8'-8"	ST 402
PATCH PLATES	PP1	18	2"x1/4"x0'-9"	ST 400
	PP2	18	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	3	9"x0.35"x13'-11 1/2	ST303
	B	6	9"x.0135"x15'-2"	ST303
	C	3	9"x.0135"x13'-2 1/2	ST303
	D	3	9"x0.35"x2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"x1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4x1 1/2"x1 1/4"x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	1	4 1/2"x.39"x1'-0"	ST 400

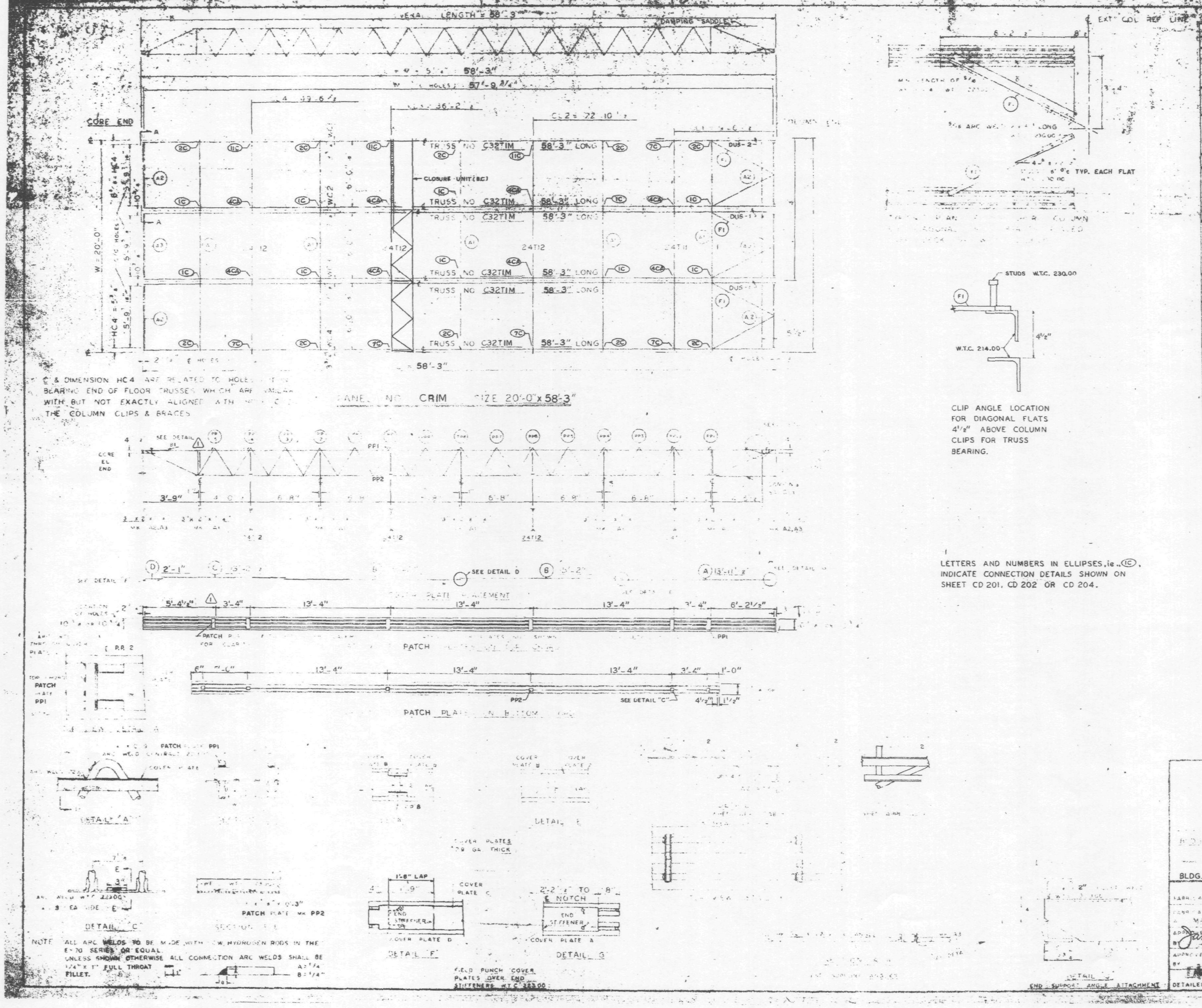
NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

[illegible]	10-15-68
[illegible]	7-22-68
7-ABA-41	7-22-68
[illegible]	1-6-69
7-AB3-7	1-3-68
[illegible]	7-22-68
[illegible]	7-22-68
7-ABA-42	10-15-68

FLOOR PANEL DETAILS
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-46 (S) 46 (N)
PANEL CRIK 20'-0" x 58'-6"
BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-8 PLATE
APPROVED FOR FABRICATION BY James White PONYA DATE 1/2/70
DRAWN BY DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE OCT 23, 1968 IN CHARGE OF PROD. DEP.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-CRIK



REQUIRED MATERIAL PER PANEL				REF. DRWGS.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT213
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 403
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 5/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST303
	B	6	9" x 0.135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-1 1/2" x 1 1/4" x .230 x 5'-6 1/2"	BT212, CD-04
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

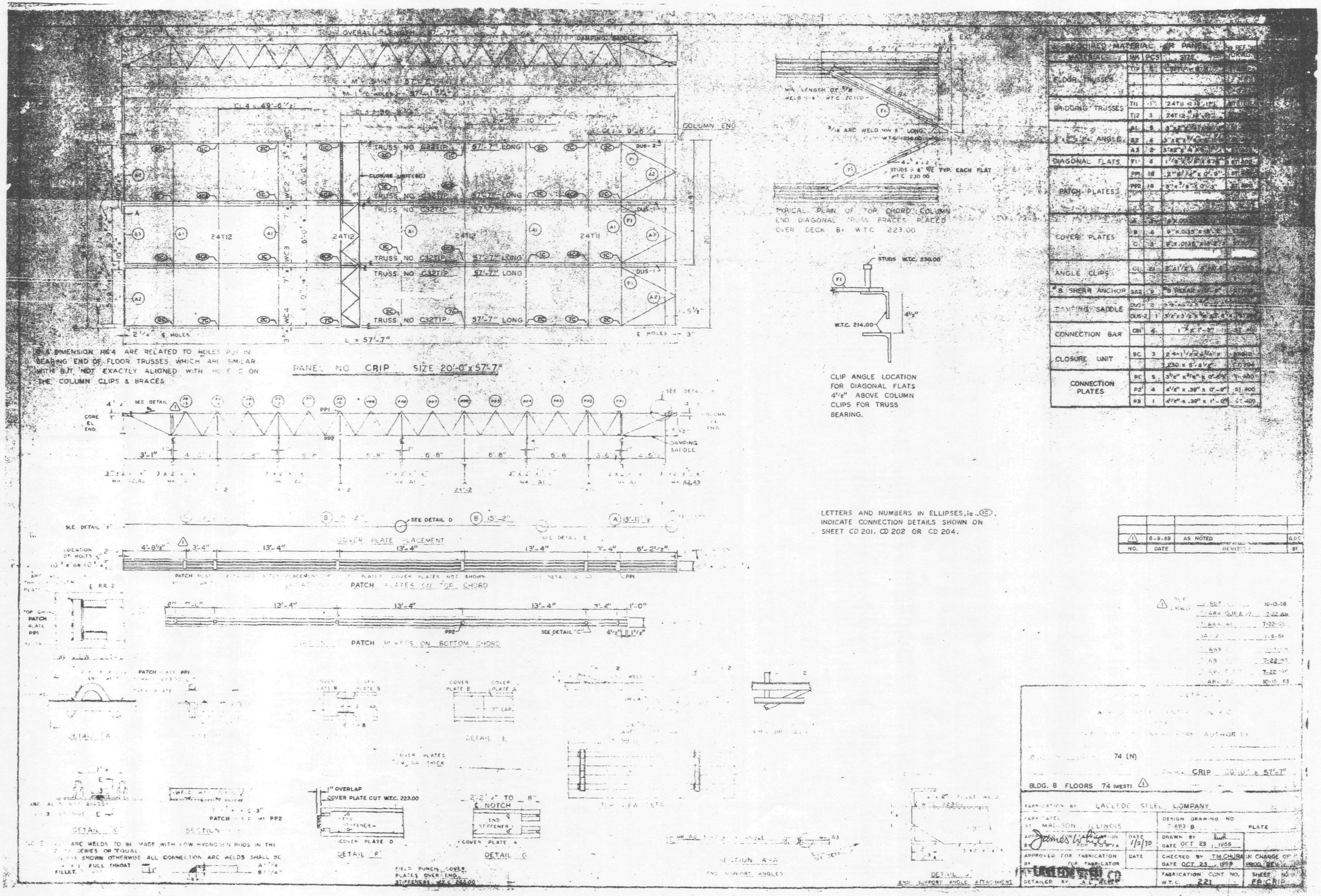
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

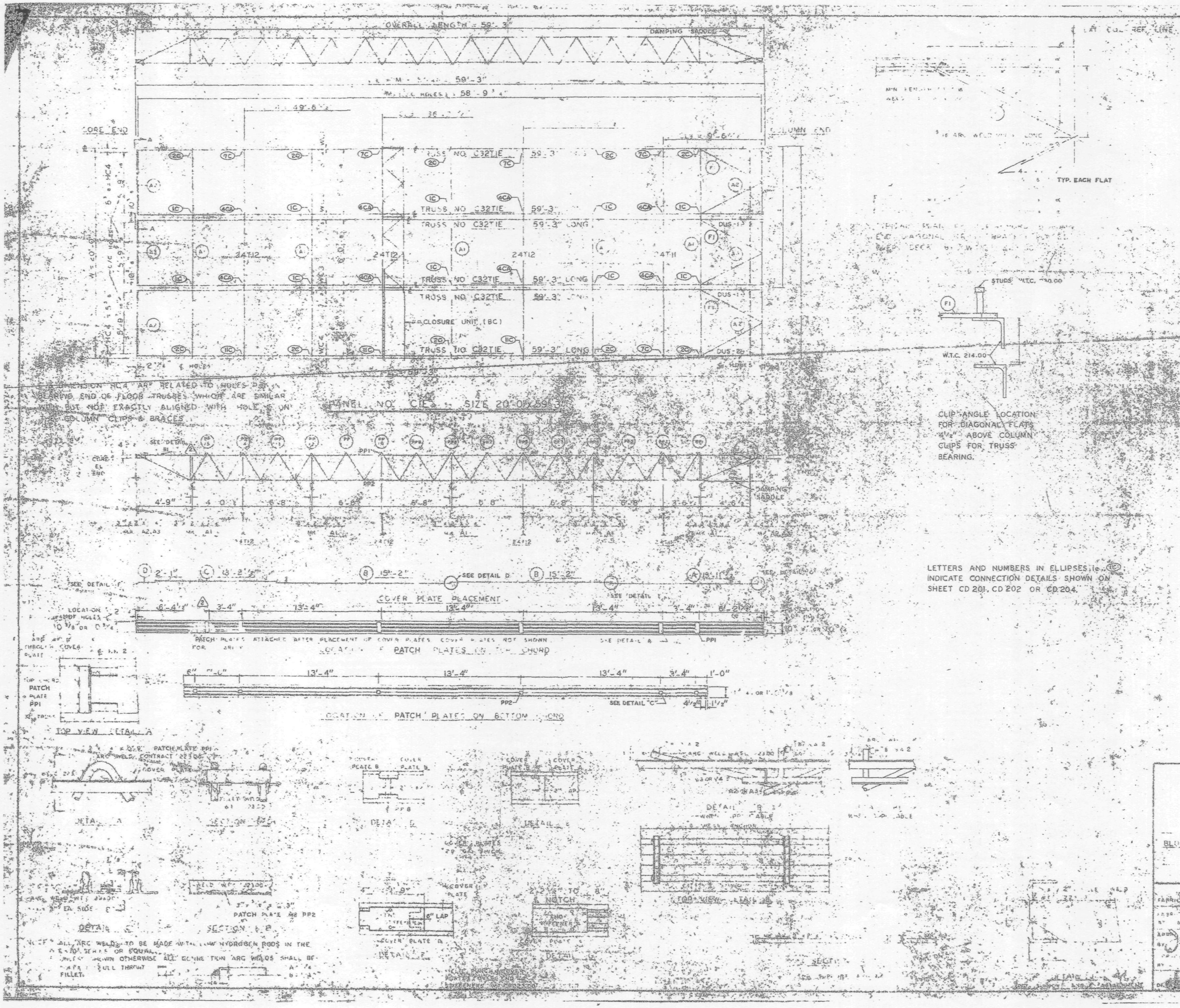
BLDG. FLOORS 72-73 (N)
PANEL CRIM SIZE x 58'-3"
BLDG. B FLOORS 72-73 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE OCT 23, 1968	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO.	DATE	CHECKED BY T.M. CHURA DATE OCT 23, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. CRIM

DESIGN DRAWING NO. 7-AB3-8 PLATE


OVERALL LENGTH 57'-7"
DAMPING SADDLE
COLUMN END
TRUSS NO. C32T1P 57'-7" LONG
CLOSURE UNIT (BC)
24T12
24T11
L = 57'-7"
PANEL NO. CRIP SIZE 20'-0" x 57'-7"
DIMENSION HG4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
DAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ON TOP CHORD
PATCH PLATES ON BOTTOM CHORD
SEE DETAIL "C"
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
6-9-69 AS NOTED
NO. DATE REVISION BY
DETAIL "A"
DETAIL "E"
DETAIL "C"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLE ATTACHMENT
COVER PLATE CUT W.T.C. 223.00
1" OVERLAP
NOTCH
END STIFFENER
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
74 (N)
PANEL CRIP 20'-0" x 57'-7"
BLDG. 8 FLOORS 74 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DRAWN BY
DATE OCT 23, 1968
CHECKED BY T.M. CHURA
DATE OCT 23, 1968
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-CRIP



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3	ST-TIE
[illegible] TRUSSES	T11	1	24T11 [illegible]	[illegible]
	T12	3	24T12 [illegible]	ST 212
[illegible] ANGLE	A1	5	3 x 2" x [illegible]	ST 403
	A2	4	3 x 2" x ¼" x 5' [illegible]	ST 403
	A3	2	3 x 2" x ¼" x [illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] x 0'-3"	ST 400
COVER PLATES	A	3	[illegible]	ST 303
	B	6	9" x 0.135" x 15'-2"	ST 303
	C	3	9" x 0.135" x 13'-[illegible]	ST 403
	D	3	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 5'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 5'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1½" x 1½" x .230 x 6'-6½"	ST 212 / CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	8-6-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

AB3 [illegible]	9-15-68
AB3 [illegible]	7-22-68
AB4 41	7-22-68
SA [illegible]	1-6-69
AB3 2	[illegible]
AB3 2	7-22-68
AB2 & 6	7-22-68
AB4 42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A [illegible] 10-11 (NORTH & SOUTH)

PANEL TYPE [illegible] 59'-3

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT ALTON, ILLINOIS

DESIGN DRAWING NO. AB3-7

APPROVED FOR FABRICATION BY [illegible] DATE [illegible]

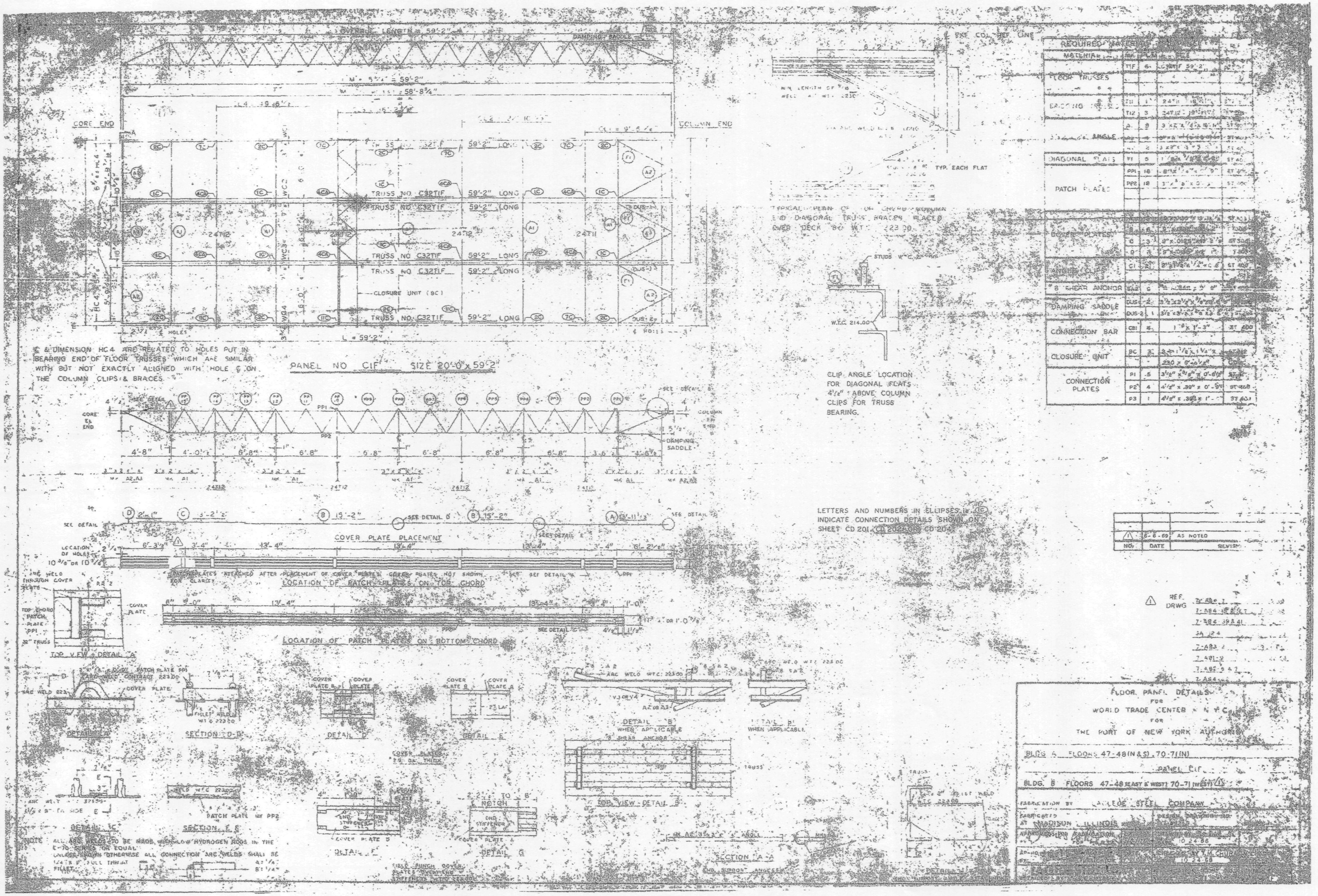
DRAWN BY [illegible] DATE APRIL 10, 1968

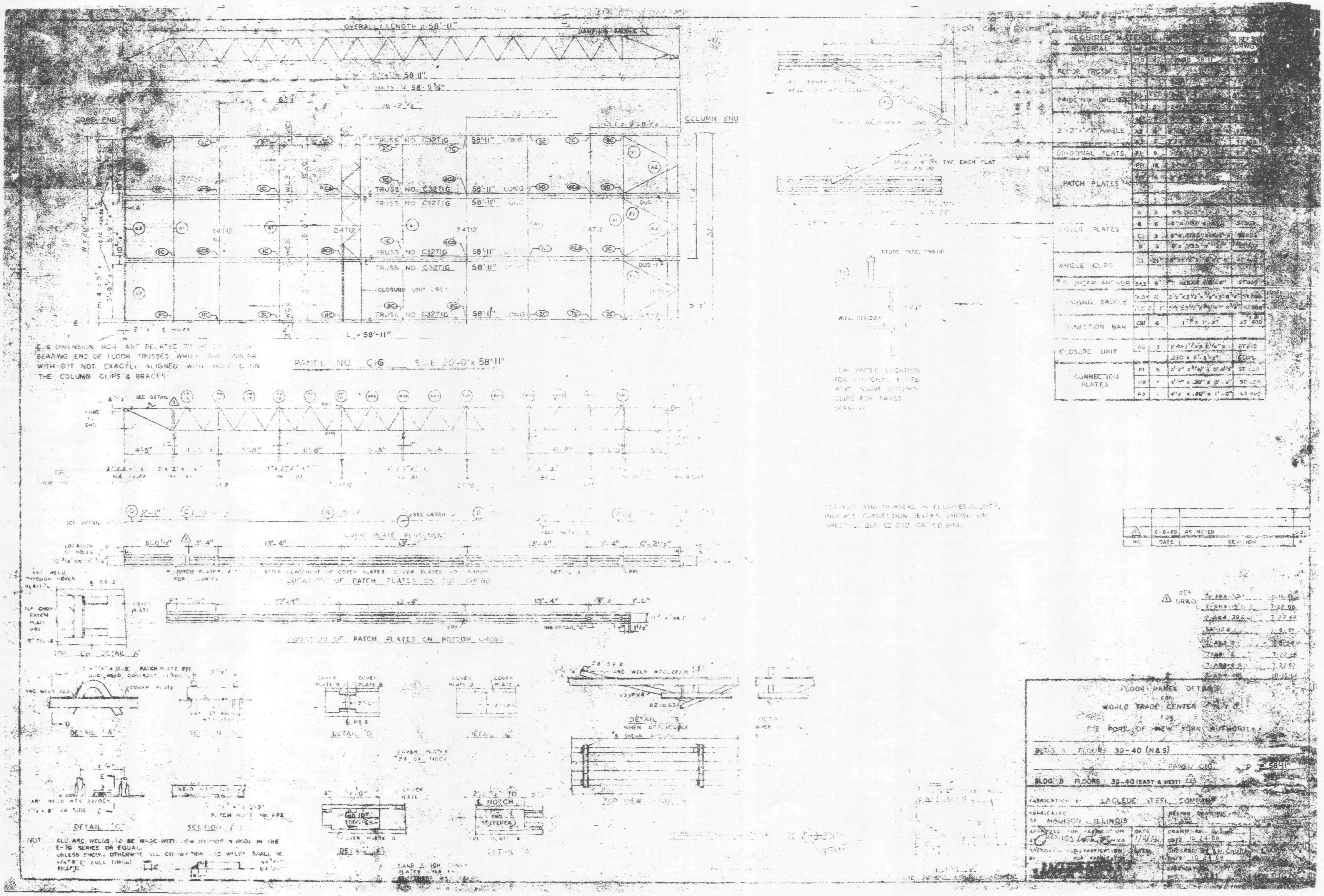
CHECKED BY J.R. PAUL DATE APRIL 10, 1968

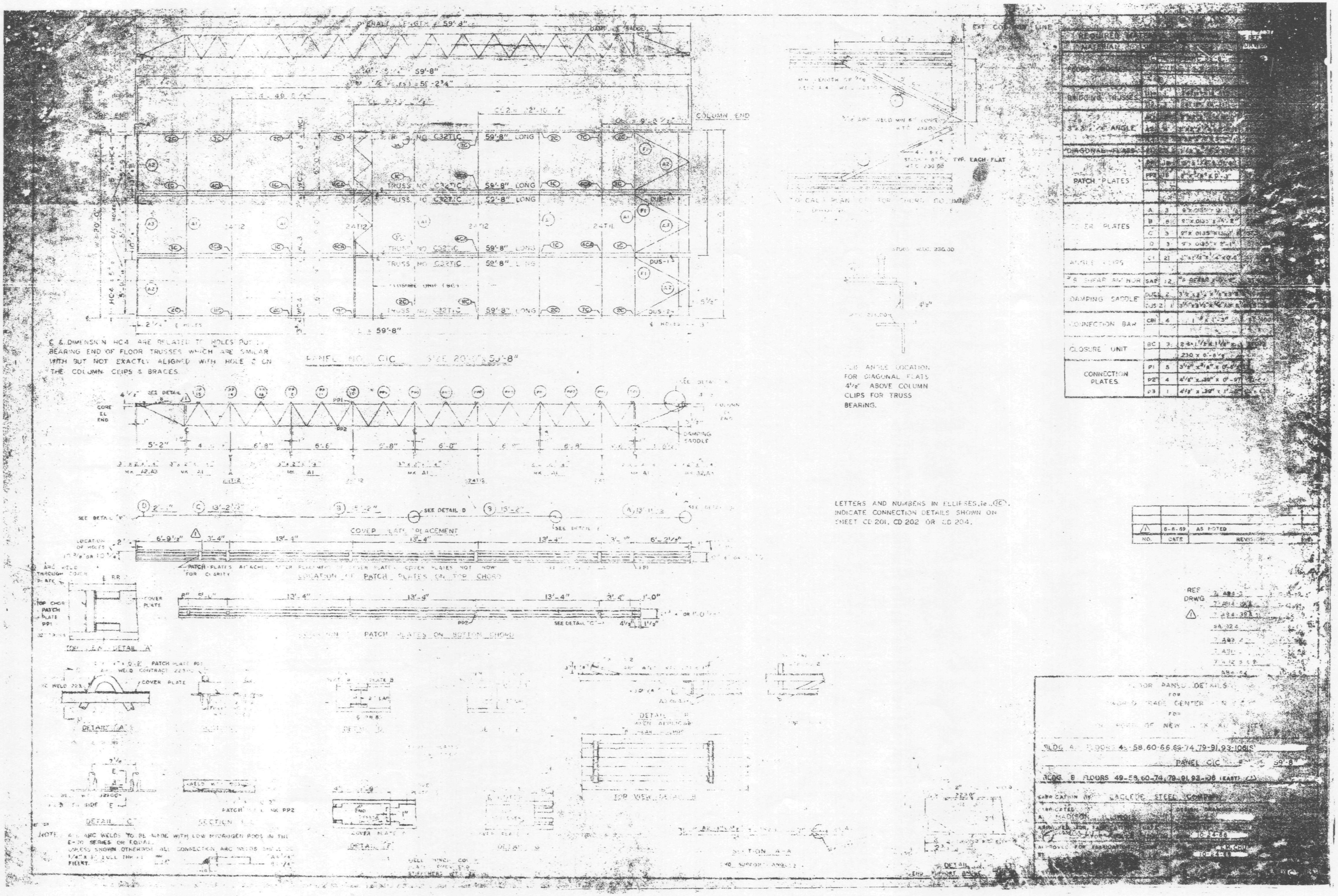
IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. W.T.C. 221

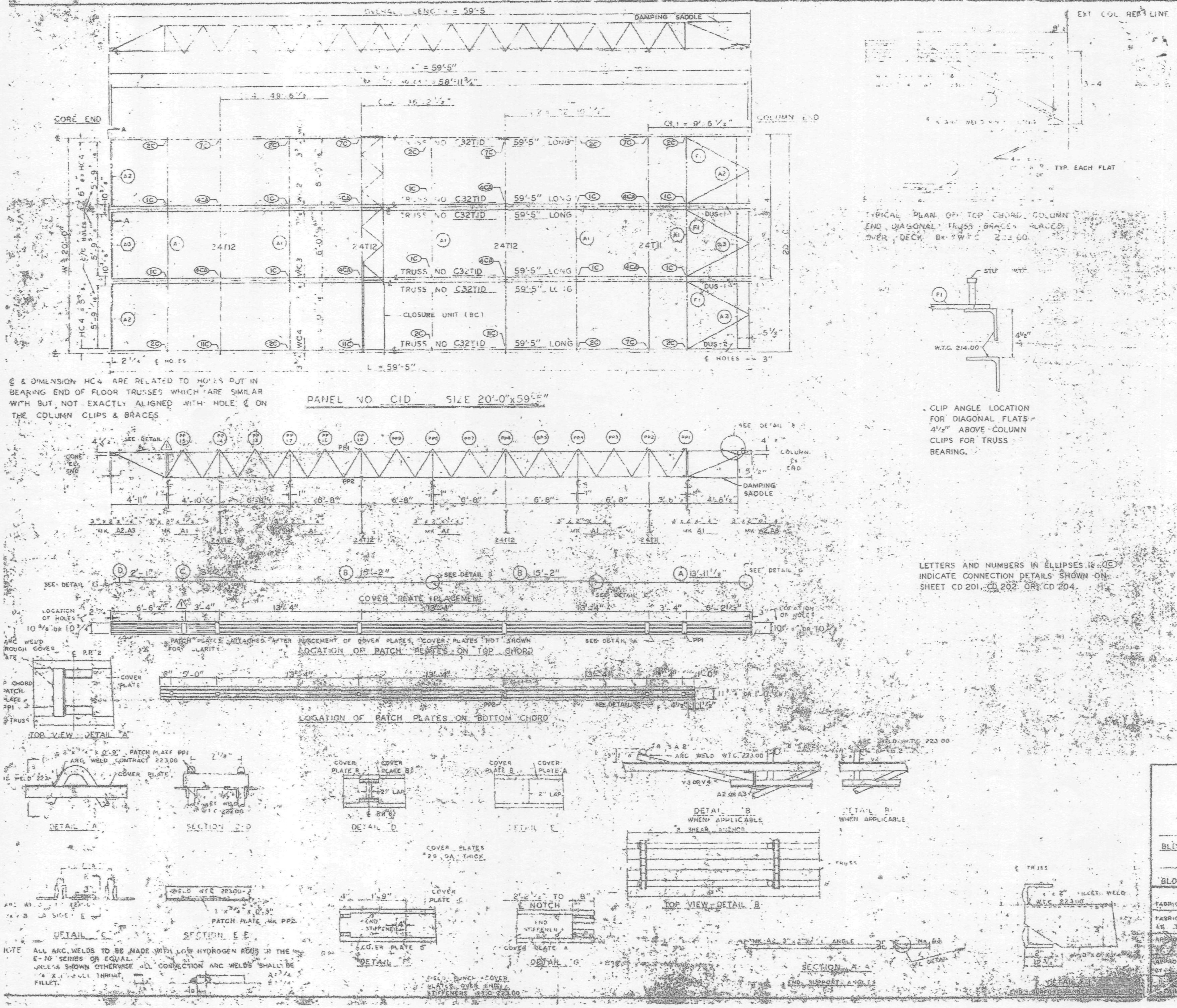
SHEET NO. CD C1E


OVERALL LENGTH = 59'-2"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO C32T1F 59'-2" LONG
CLOSURE UNIT (8C)
L = 59'-2"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO C1F SIZE 20'-0" x 59'-2"
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK 80 W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL
FLOOR TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 AND CD 204
6-6-69 AS NOTED
NO. DATE REVISION
REF. DRWG
TOP VIEW DETAIL "A"
SECTION D-D
DETAIL D
DETAIL E
DETAIL "B" WHEN APPLICABLE
TOP VIEW DETAIL B
DETAIL "C"
SECTION E-E
DETAIL F
DETAIL G
SECTION A-A
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 47-48 (N & S), 70-71 (N)
PANEL C1F
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON, ILLINOIS


OVERALL LENGTH = 58'-11"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO. C32T1G
58'-11" LONG
24T12
CLOSURE UNIT (8C)
L = 58'-11"
PANEL NO. C1G SIZE 20'-0" x 58'-11"
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATE PLACEMENT
DETAIL "A"
DETAIL "B"
DETAIL "C"
DETAIL "D"
SECTION F-F
TOP VIEW DETAIL B
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x1/4" ANGLE
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202 OR CD 204.
6-6-69 AS NOTED
NO. DATE REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 39-40 (N&S)
PANEL C1G
BLDG B FLOORS 39-40 (EAST & WEST)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DATE 10-24-68
CHECKED BY T.M. CHURA
DATE 10-24-68



COLUMN END
CORE END
TRUSS NO. C32T1C 59'-8" LONG
PANEL NO. C1C SIZE 20'-0" x 59'-8"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUNCHED BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
DETAIL "A"
DETAIL "C"
SECTION 4-A
TOP VIEW DETAIL B
TYP. EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
BRIDGING TRUSSES
3"x3½"x⅜" ANGLE
DIAGONAL FLATS
PATCH "PLATES"
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
6-6-69 AS NOTED
NO. DATE REVISION
REF DRWG
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 49-58, 60-66, 68-74, 79-91, 93-106 (S)
PANEL C1C 59'-8"
BLDG B FLOORS 49-58, 60-74, 79-91, 93-106 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON
10-24-68
10-24-68



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	6	C32T1D 59'-5"	ET201D
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x¼" ANGLE	A1	18	3"x2"x¼"x 19'-3"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x¼"x 5'-11¼"	ST 403
DIAGONAL FLATS	F1	6	1⅛"x 9"x 6'-9"	ST 402
PATCH PLATES	PP1	18	2"x¼"x 0'-9"	ST 400
	PP2	48	3"x⅜"x 0'-3"	ST 400
COVER PLATES	A	3	9"x.0135"x 13'-11½	ST303
	B	6	9"x.0135"x 15'-2	ST303
	C	3	9"x.0135"x 3'-2½	ST303
	D	3	9"x.0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1½"x¼"x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x3'-6⅞"	ST 298
	DUS-2	1	3½"x3½"x⅜"x3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1"x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-L 1½"x1¼"x.230 x 6'-6½"	BT212 / CD204
CONNECTION PLATES	P1	5	3½"x⅜"x 0'-6½"	ST 400
	P2	4	4½"x.39"x 0'-9"	ST 400
	P3	1	4½"x.39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	G.D.

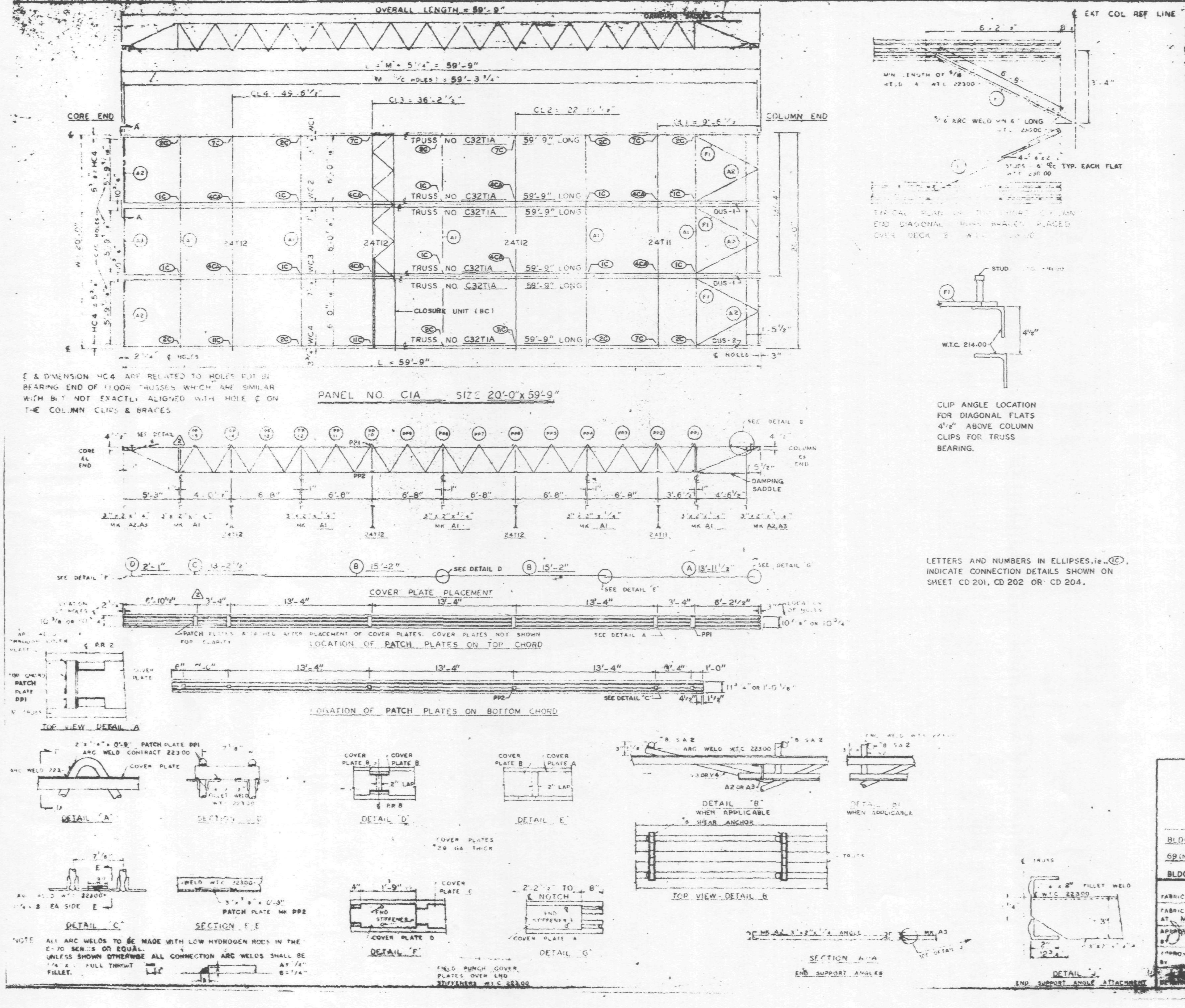
REF. DRWG.

7-AB4-3&47	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-39 & 41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-69
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 81-82 (N)
PANEL C1D 20'-0" x 59'-5"
BLDG. B FLOORS 81-82 (WEST) ⚠

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-7
APPROVED FOR FABRICATION
DATE
DRAWN BY
DATE 10-24-68
APPROVED FOR FABRICATION BY
CHECKED BY T.M. CHURA
DATE 10-24-68
IN CHARGE OF
C1D



REQUIRED MATERIAL [illegible] PANEL				REF. DRWGS
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	[illegible]	ST 218
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT 211
	T12	3	24T12 - 19'-11"	BT 212
3" x 2" x 1/4" ANGLE	A1	8	[illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	2" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x [illegible] x	ST 212
			230 x 5' x 8 1/2"	[illegible]
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	[illegible]
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

2 REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-5-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH) PANEL C1A - [illegible] x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 [illegible]

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-2 [illegible]

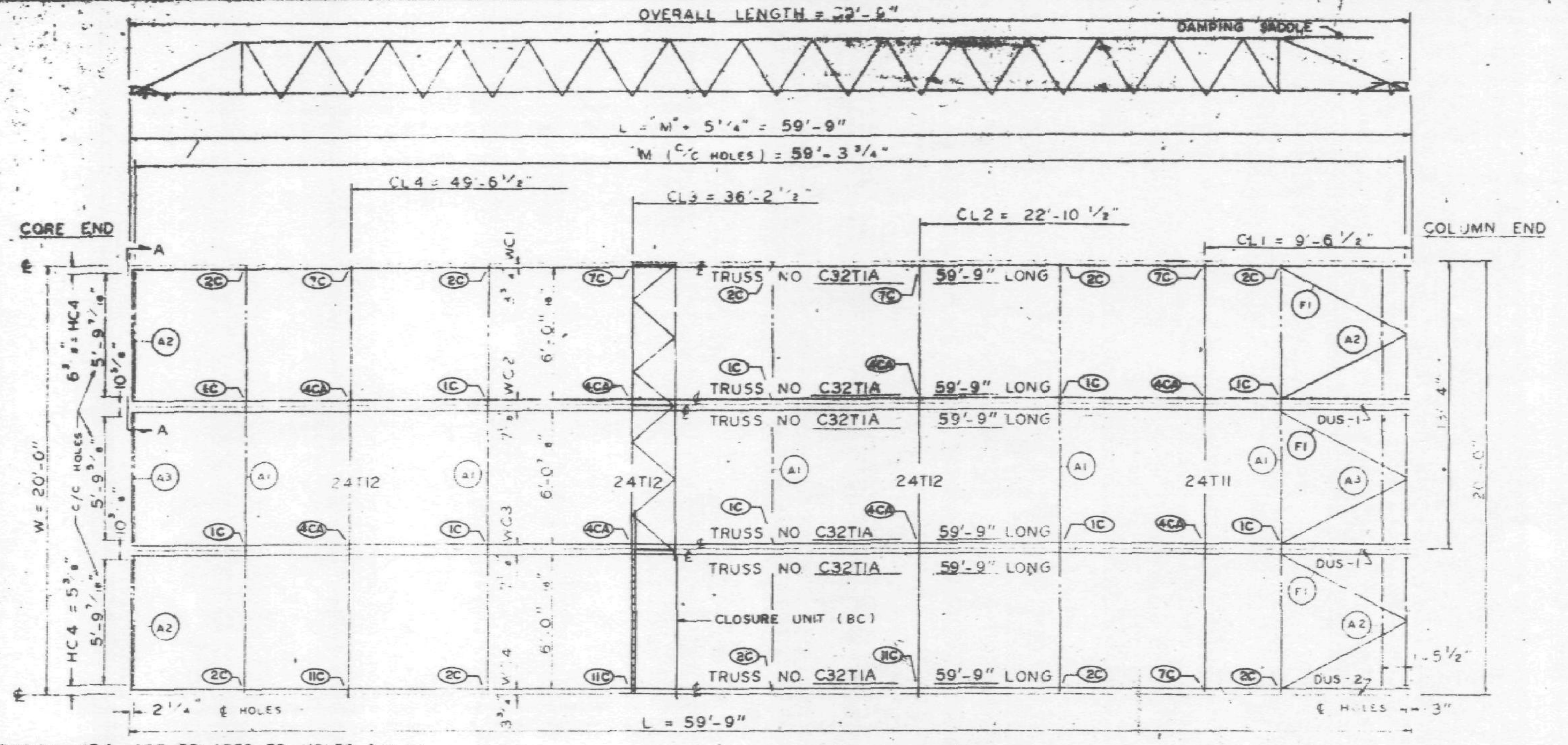
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE [illegible]

DRAWN BY [illegible] DATE APRIL 10, 1968

APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

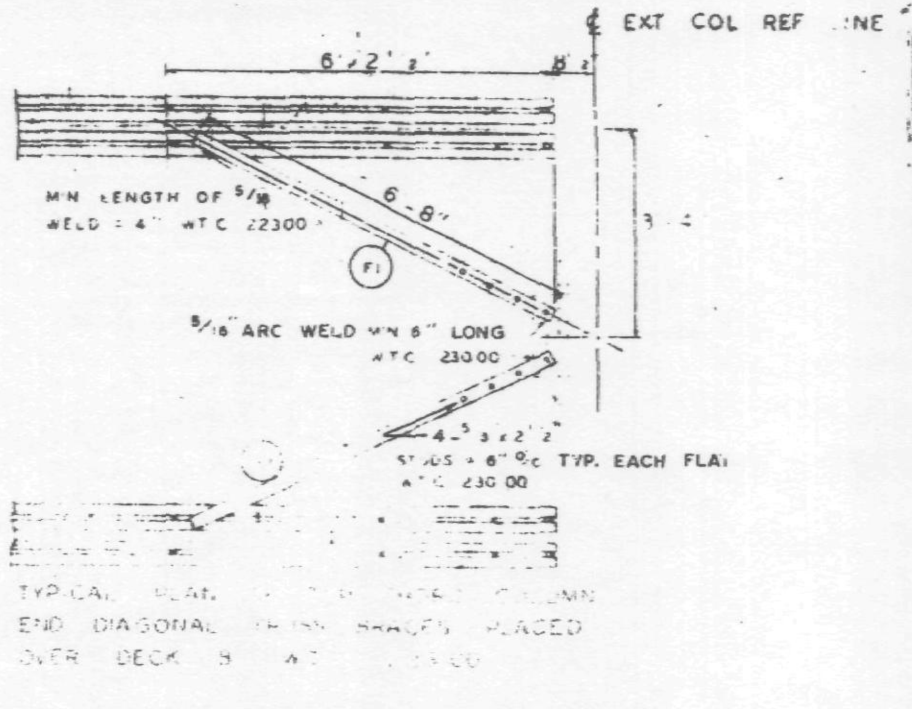
CHECKED BY [illegible] DATE APRIL 10, 1968

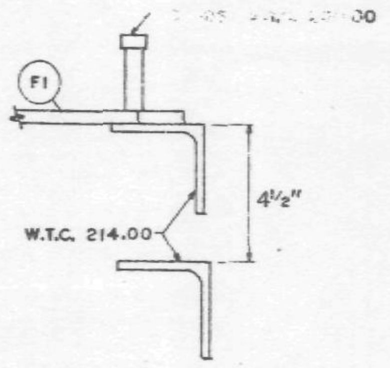
FABRICATION CONT. NO. [illegible]



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

PANEL NO. C1A SIZE 20'-0" x 59'-9"

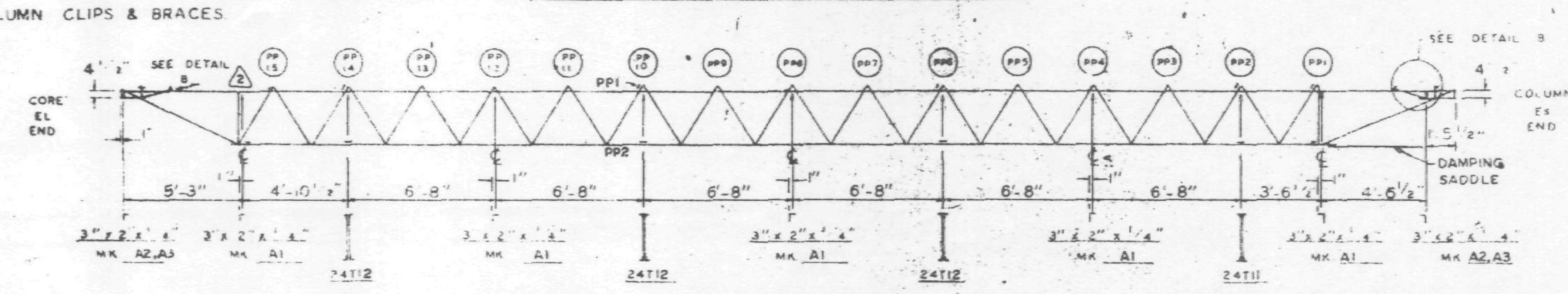




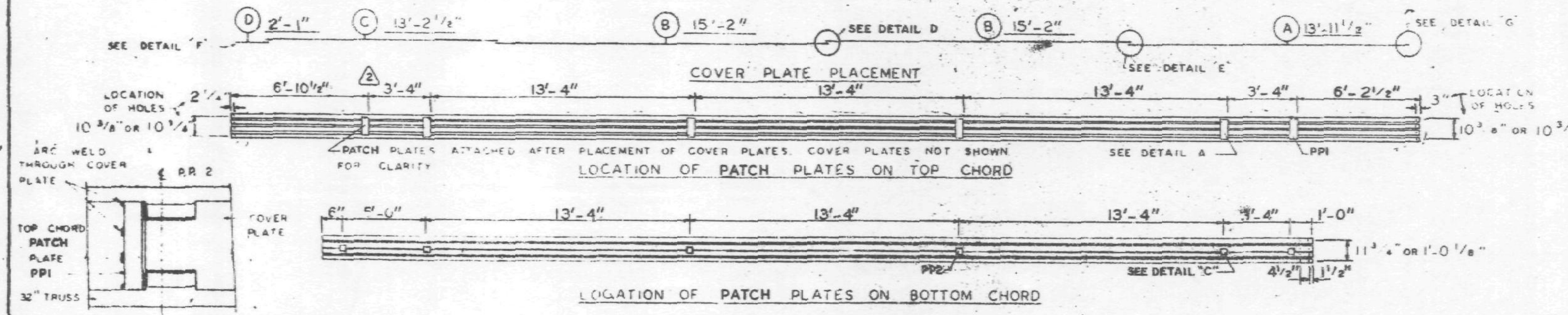
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

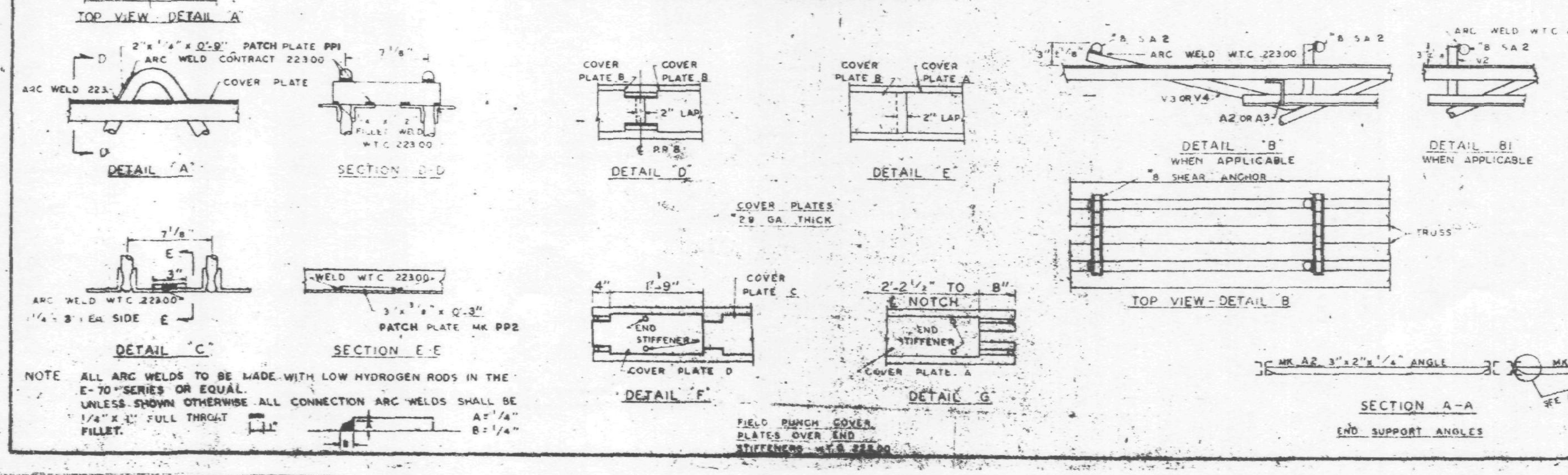
REQUIRED MATERIAL PER PANEL

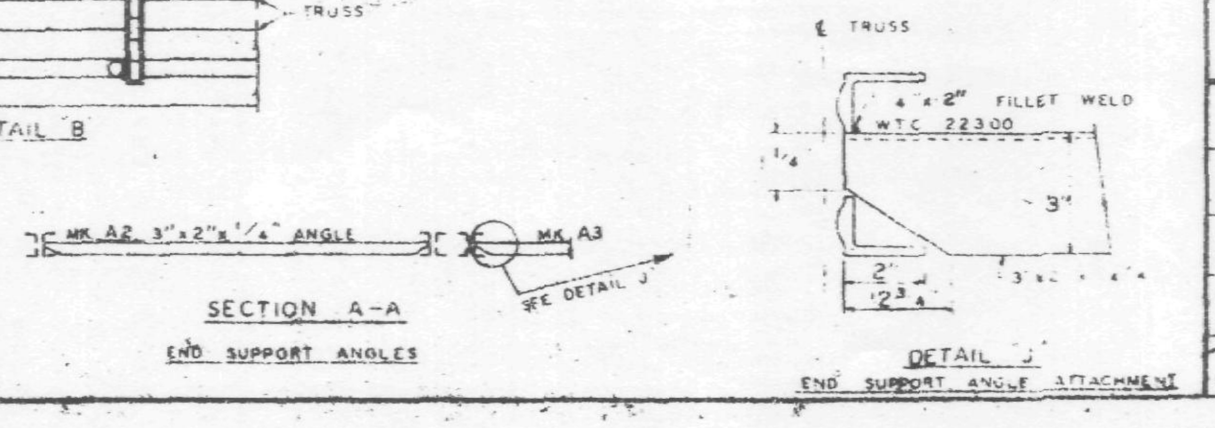
MATERIAL	MK	PCS	SIZE	REF. DRWG.
FLOOR TRUSSES	T1A	6	C32T1A x 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	9	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135 x 13'-11 1/2"	ST 303
	B	6	9" x 0.135" x 15'-2	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-5"	ST 400
#6 SHEAR ANCHOR	SA2	12	#6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 1/4" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	24-1 1/2"x 1 1/4"x .230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400



LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.







NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1 1/2" FULL THROAT FILLET. A = 1/4" B = 1/4"

NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

(2) REF. DRWG.

7-AB4-3	10-15-68
7-AB4-5 & 6	7-22-68
7-AB4-41	7-22-68
SA-124	1-5-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 14-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH) PANEL C1A 20'-0" x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-7 PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

DRAWN BY [illegible] DATE APRIL 10, 1968

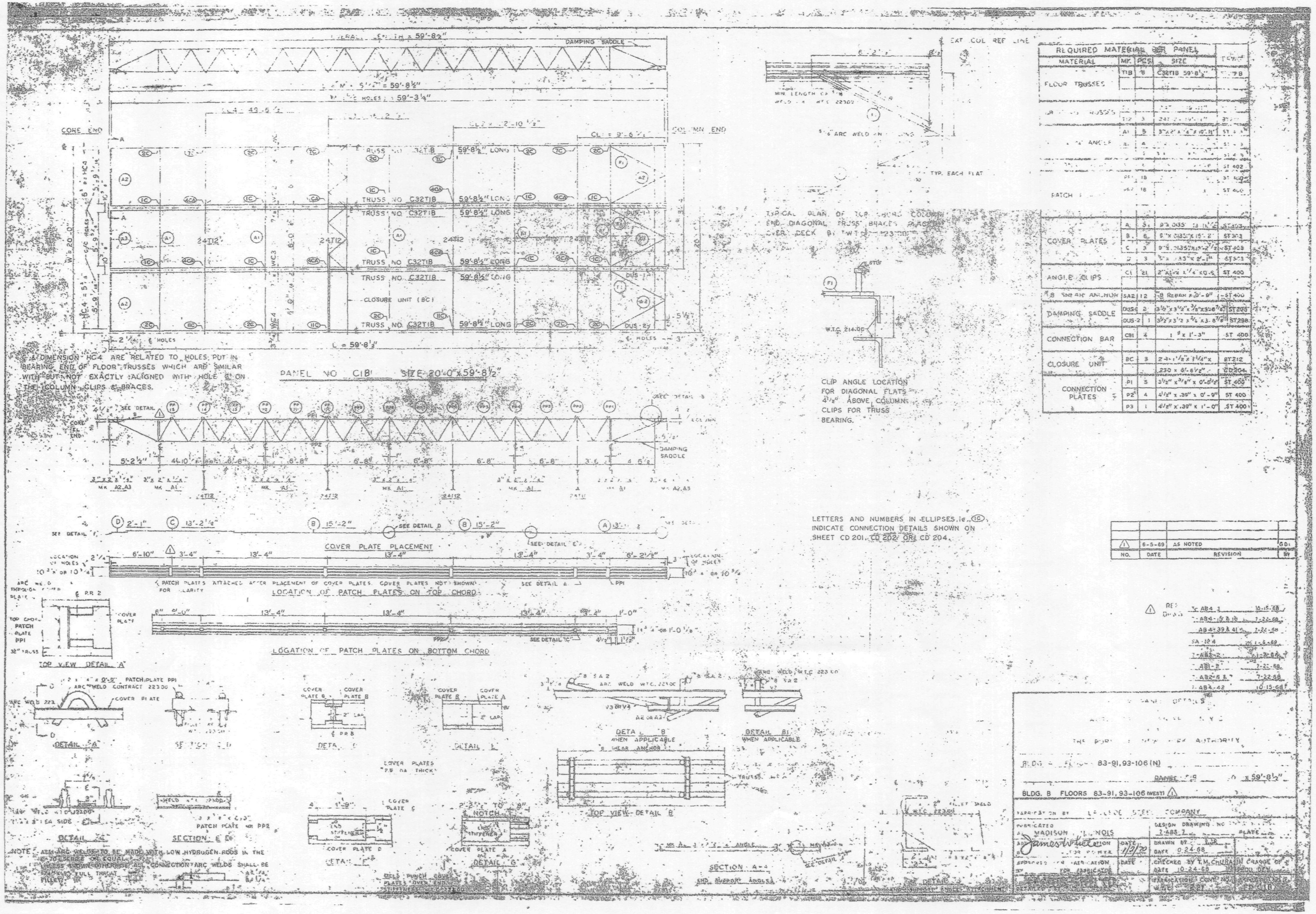
CHECKED BY J.R. PAUL DATE APRIL 10, 1968

IN CHARGE OF PROD. DEV.

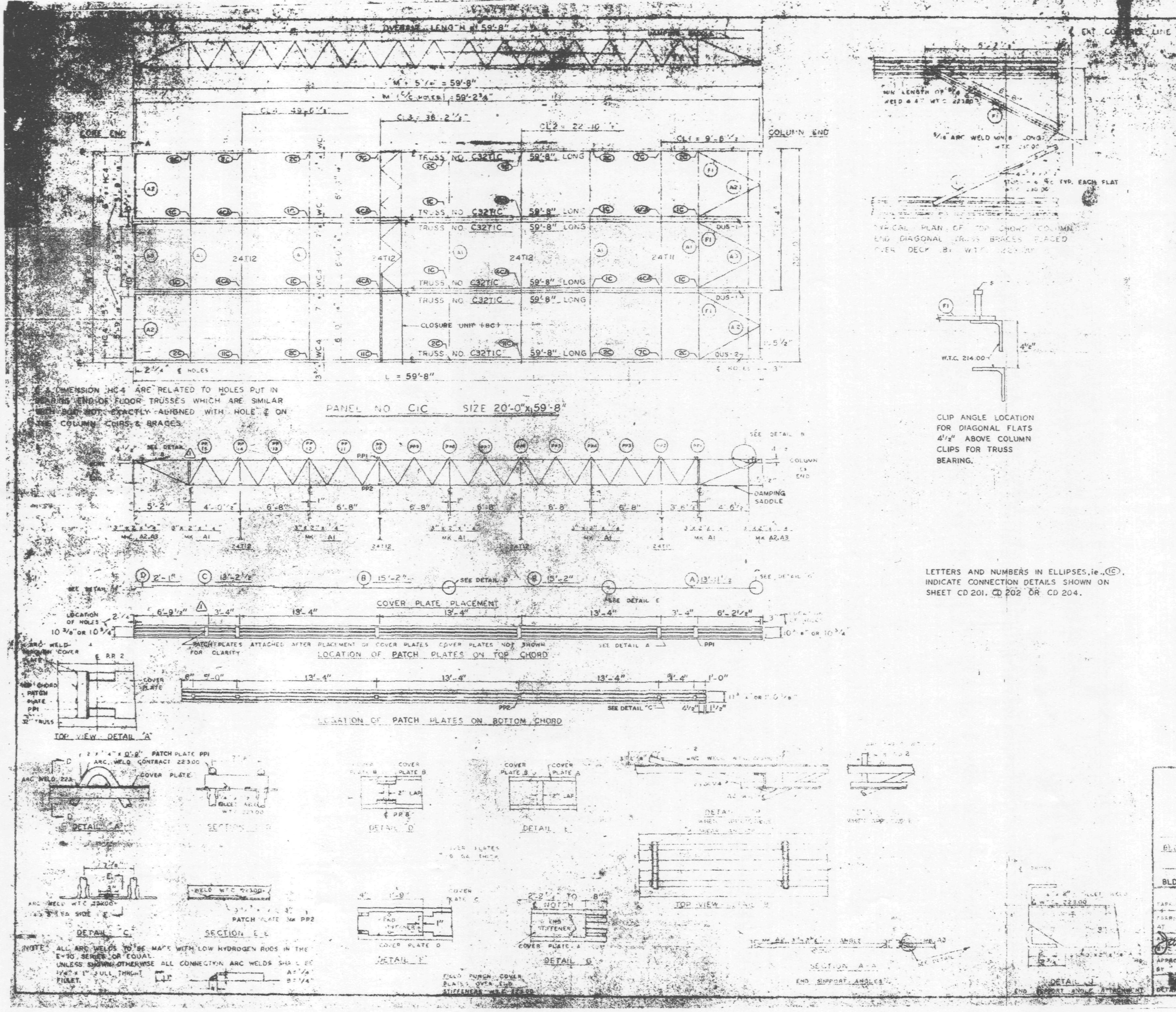
DETAILED BY

FABRICATION CONT. NO. W.T.C. 221

SHEET NO FP C1A



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	[illegible]
FLOOR TRUSSES	T1B	8	C32T1B 59'-8½"	[illegible]
[illegible] TRUSSES	T12	3	24T-2 - 19'-1"	[illegible]
[illegible] ANGLE	A1	3	3"x2"x¼"x 19'-11"	[illegible]
	A2	4	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	ST 402
PATCH [illegible]	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	ST 303
	B	6	9"x.0135"x 15'-2"	ST 303
	C	3	9"x.0135"x 15'-2½"	ST 303
	D	3	[illegible] x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x1½"x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x3'-8⅞"	ST 298
	DUS-2	1	3½"x3½"x⅜"x3'-8⅞"	ST 298
CONNECTION BAR	CB1	4	1"x 1'-3"	ST 400
CLOSURE UNIT	8C	3	2-1½"x1¼"x .230 x 6'-6½"	ST 212 / CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-8½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	1C	[illegible]	C32T1C 59'-8"	ST [illegible]
BRIDGING TRUSSES	T11	1	24T11 [illegible] 18'-11 1/2"	BT211
	T12	3	24T12 18'-11"	BT210
3" x 2" x 1/4" ANGLE	A1	8	3" x 2" x 1/4" x [illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-0 1/4"	ST 400
DIAGONAL FLATS	F1	6	[illegible] x 6'-8"	ST 400
PATCH PLATES	PP1	18	[illegible] x 3'-0"	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	9" x 0135" x 12'-11 1/2"	ST 303
	B	6	9" x 0135" x 15'-2"	ST 303
	C	3	9" x 0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0135" x 2'-1"	ST 303
ANGLE CLIPS		21	2" x [illegible] x 1/4" x 0'-6"	ST 400
[illegible] BAR ANCHOR	SA2	12	[illegible] REBAR x 0'-9"	ST 400
DAMPING SADDLE	DS[illegible]	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DS 2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT	8C	3	2 [illegible] 1 1/2 x 1 1/4" x .230 x 6'-6 1/2"	BT 212 / CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	G.D.C.

BLDG. [illegible] FLOORS 49-58, 60-66, 68-74, 79-91, 93-106 (S)

BLDG. B FLOORS 49-58, 60-74, 79-91, 93-106 (EAST)

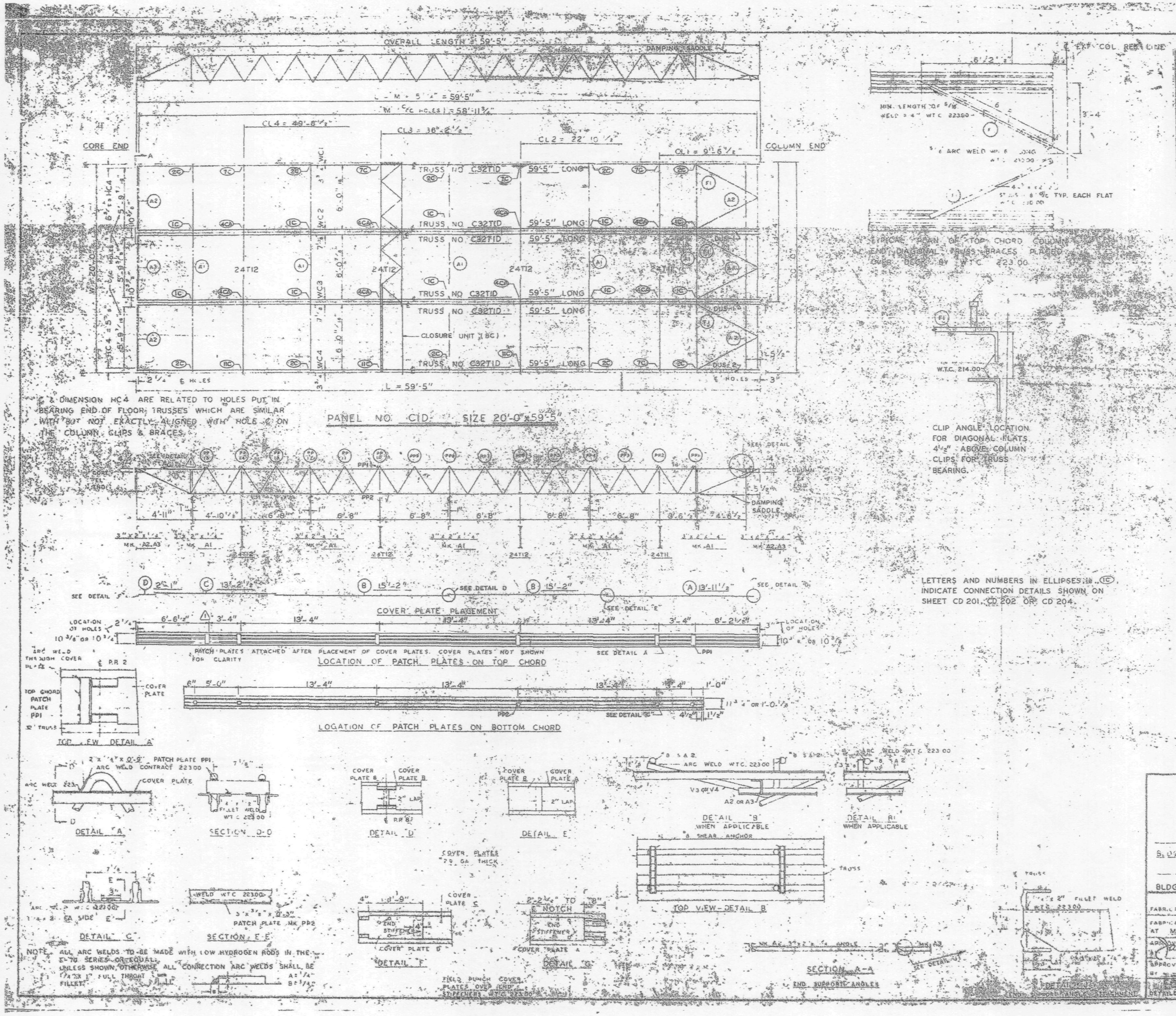
PANEL [illegible] C [illegible] x 59'-8"

FABRICATED AT MADISON, ILLINOIS

DRAWN BY [illegible] DATE 10-24-68

CHECKED BY T. M. CHURCH DATE 10-24-68

DESIGN DRAWING NO. 7-A85.7



REQUIRED MATERIAL PER PANEL				REF. DWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	6	C32T1D 59'-5"	ST201D
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	F1	[illegible]	[illegible] x 6'-9	ST 402
PATCH PLATES	PP1	18	[illegible] x 0'-9"	ST 400
	PP2	48	[illegible] x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST303
	B'	6	9" x 0.135" x 15'-2"	ST303
	C	3	9" x 0.135" x 13'-2 1/2"	ST303
	D	3	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	24" x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	G.D.[illegible]

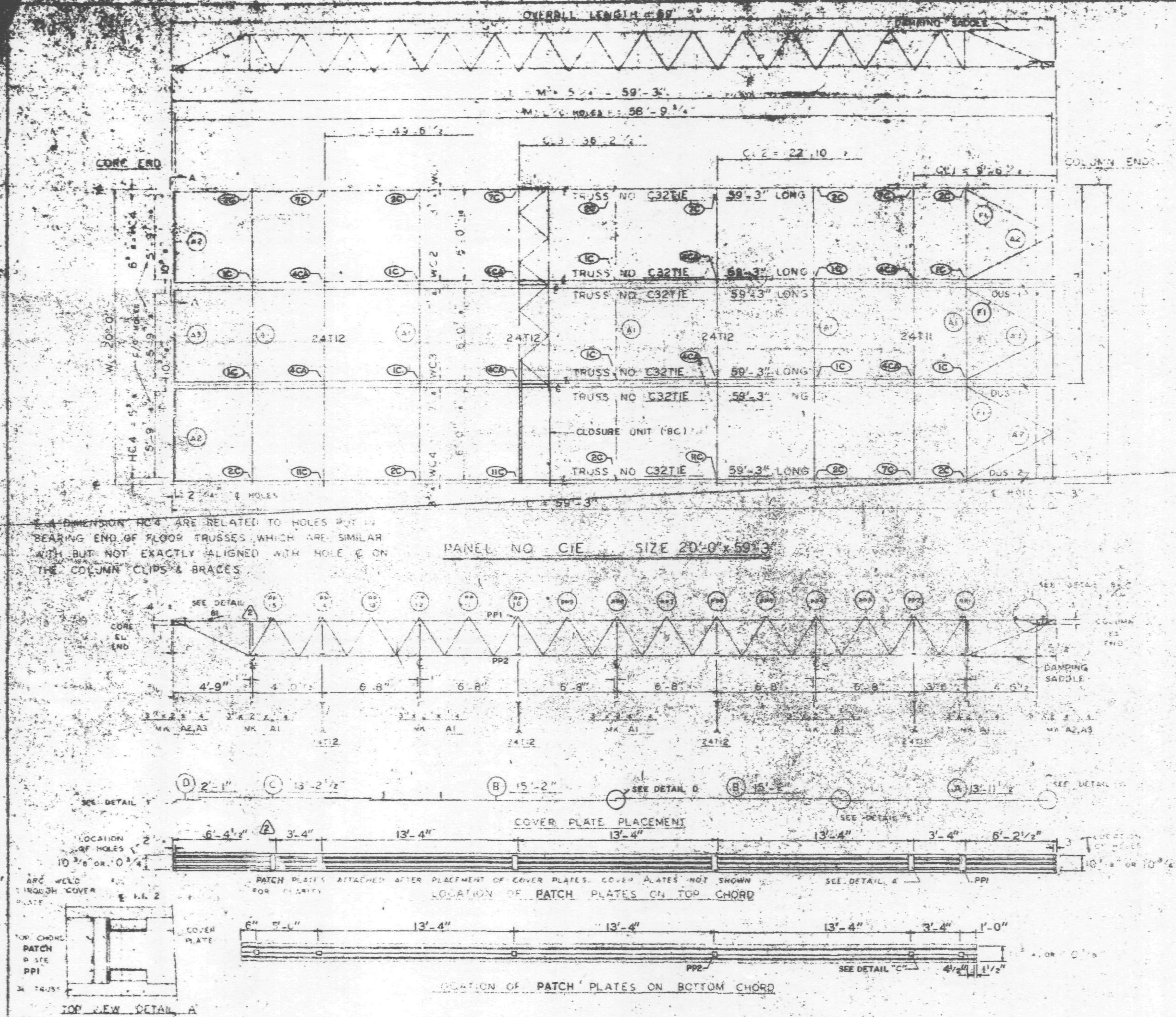
REF. DRWG.

7-AB4-33.1	10-15-68
7-AB4-19 & 6	7-22-68
7-AB4-39 & 41 (1)	7-22-68
SA 24	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-5 & 7	7-22-68
7-AB4-42	10-15-68

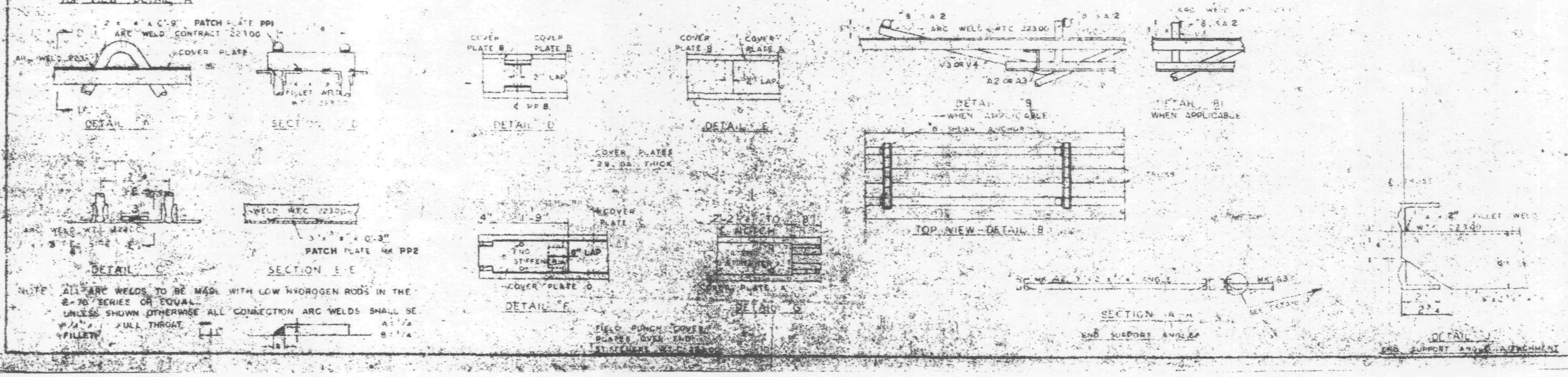
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (N)
PANEL C1D 20' x 59'-5"
BLDG. B FLOORS 81-82 (WEST) (1)

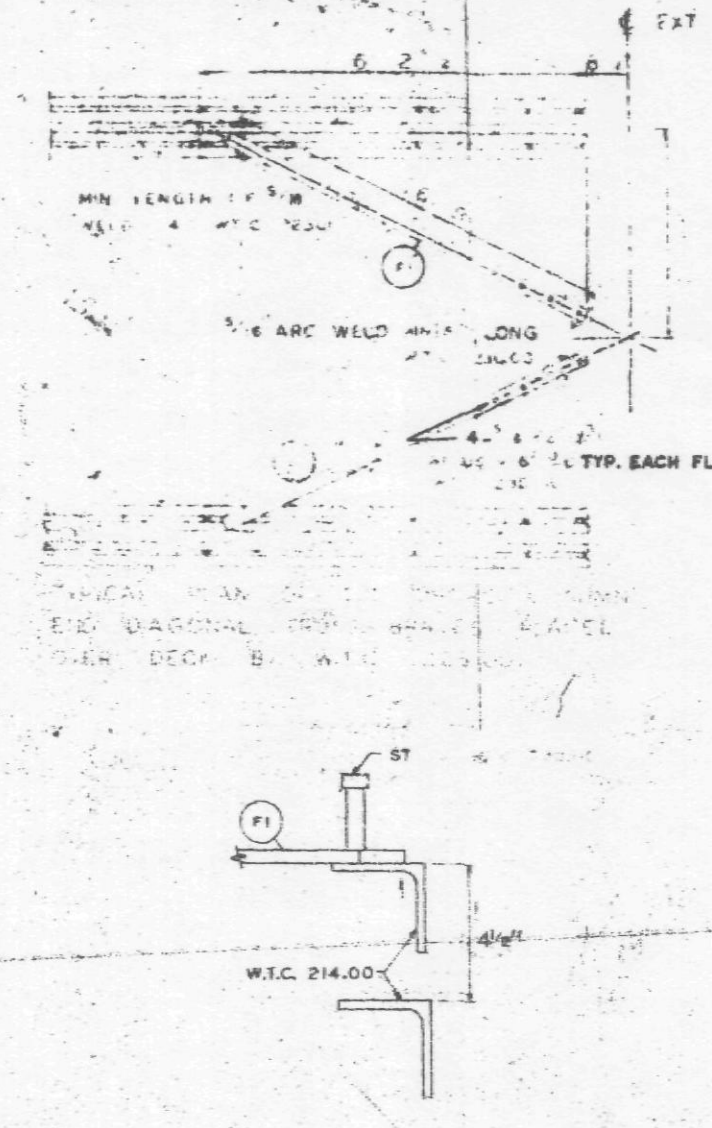
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-2
APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE 10-24-68
APPROVED FOR FABRICATION BY [illegible] DATE
CHECKED BY T.M. CHURA DATE 10-24-68
IN CHARGE OF PROD. DEV.
DETAILED BY C. WEBER
FABRICATION CONT. NO. W.T.C. 7221
SHEET NO. FP C1D



E & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE E ON THE COLUMN CLIPS & BRACES.



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
BRIDGING TRUSSES	[illegible]	1	[illegible]	[illegible]
	T12	3	24T12 [illegible]	BT 212
[illegible] ANGLE	A1	5	[illegible]	ST 403
	A2	[illegible]	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 3"	ST 400
[illegible]	[illegible]	3	[illegible]	[illegible]
	[illegible]	6	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
	[illegible]	3	[illegible] 2'-1"	[illegible]
ANGLE CLIPS	[illegible]	[illegible]	[illegible]	ST 400
SHEAR ANCHOR	SA2	[illegible]	[illegible] 0'-9"	ST 400
DAMPING [illegible]	[illegible]	[illegible]	[illegible] 6 7/8	[illegible]
	[illegible]	1	[illegible] 6 7/8	[illegible]
CONNECTION BAR	CB1	4	[illegible] 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible]	BT 2[illegible]
			[illegible] 6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-6-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	7-22-68
[illegible]	1-6-69
[illegible]	[illegible]
[illegible]	7-22-68
[illegible]	7-22-68
[illegible]	10-15-68

BLDG. A [illegible] 10-11 (NORTH & SOUTH)

PANEL C1E [illegible]

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT: MADISON, ILLINOIS

DESIGN DRAWING NO.: [illegible]

APPROVED FOR FABRICATION: James White — DATE 1/2/70

DRAWN BY: [illegible] — DATE APRIL 10, 1968

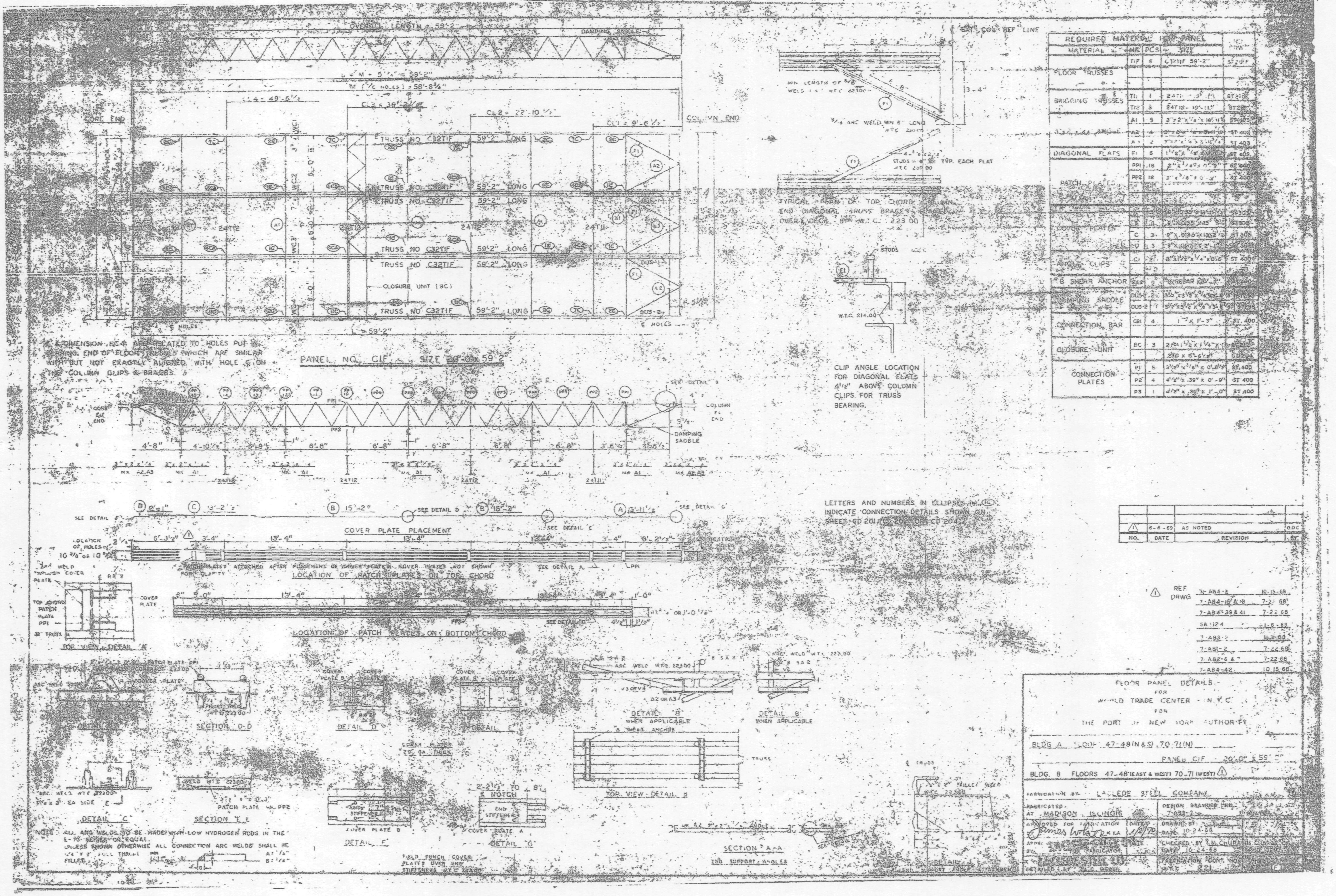
CHECKED BY: J.R. PAUL — DATE APRIL 10, 1968

IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.

FABRICATION CONT. NO. 221

SHEET NO. FP C1E



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DRW
FLOOR TRUSSES	T1F	6	C32T1F 59'-2"	[illegible]
BRIDGING TRUSSES	T11	1	24T11 - [illegible]	ST 210
	T12	3	24T12 - 19'-11"	ST 210
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 18'-11"	ST 403
	A2	4	3"x2"x¼"x [illegible]	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x⅝" [illegible]	ST 402
PATCH PLATES	PP1	18	2"x¼"x 0'-3"	ST 400
	PP2	18	3"x⅜"x 0'-3"	ST 400
COVER PLATES	A	3	9"x.0135"x 13'-11½"	ST 303
	B	6	9"x.0135"x 15'-2"	ST 303
	C	3	9"x.0135"x 13'-2½"	ST 303
	D	3	9"x.0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x1½"x¼"x 0'-6"	ST 400
8 SHEAR ANCHOR	SA2	9	8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x 3'-6⅞"	ST 295
	DUS-2	1	3½"x3½"x⅜"x 3'-6⅞"	ST 295
CONNECTION BAR	CB1	4	1"x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2/4 1½"x 1¼"x [illegible]	[illegible]
			.230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½"x⅜"x 0'-6½"	ST 400
	P2	4	4½"x .39"x 0'-9"	ST 400
	P3	1	4½"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	
1	6-6-69	AS NOTED	G.D.C.

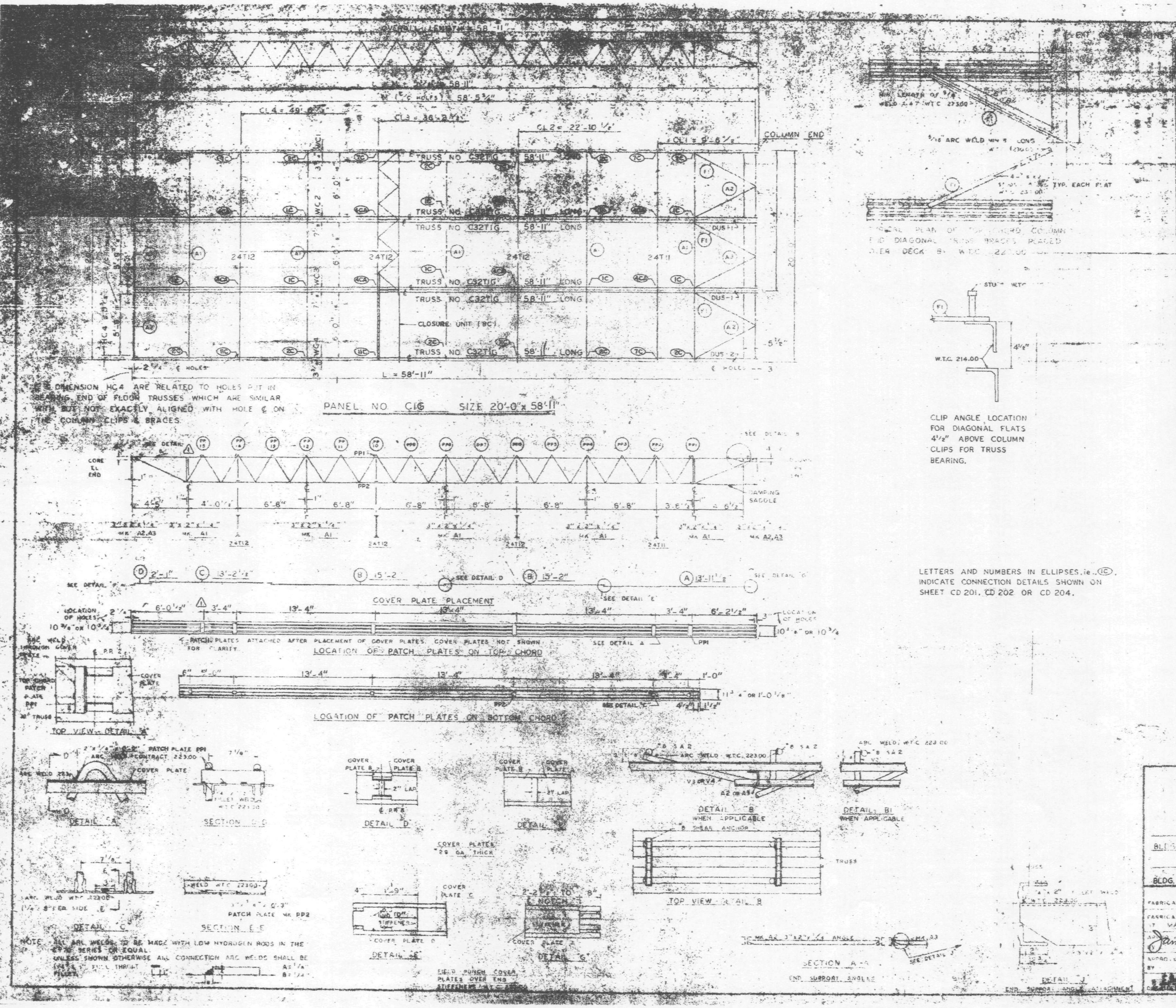
REF DRWG (1)

7-AB4-3	10-15-68
7-AB4-15 & 18	7-22-68
7-AB4-39 & 41	7-22-68
SA-124	1-6-69
7-AB3-2	[illegible]
7-AB1-2	7-22-68
7-AB2-5 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOOR 47-48 (N&S), 70-71 (N)
PANEL C1F - 20'-0" x 59'-2"
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-7
APPROVED FOR FABRICATION BY James White P.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE 10-24-68
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE 10-24-68
IN CHARGE OF [illegible]
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. WTC 221



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FULL THROAT FILLET.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	6	C32T1G 58'-11"	ST 200
BRIDGING TRUSSES	T1	1	24T11 - 19'-10"	ST 212
	T2	3	24T12 - 19'-10"	ST 212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x¼"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	[illegible]	1½" x ¼" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 5'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x1½"x¼"x 0'-6"	ST 400
#6 SHEAR ANCHOR	SA2	9	#6 REBAR x 2'-0"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x3/8"x 3'-8 7/8"	ST 290
	DUS-2	1	3½"x3½"x3/8"x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 ∠s 1½ x 1½ x ¼" x	BT 212
			.230 x 0'-6½"	CD 204
CONNECTION PLATES	P1	[illegible]	3½" x 3/8" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	
1	6-6-69	AS NOTED	GCC

7-A84-41 10-15-68
7-A84-5 & 6 7-22-68
7-A84-39 & 41 7-22-68
SA-12-1 1-6-69
7-A83-1 1-3-68
7-A81-2 7-22-68
7-A82-6 & 7 7-22-68
7-A84-42 10-15-68

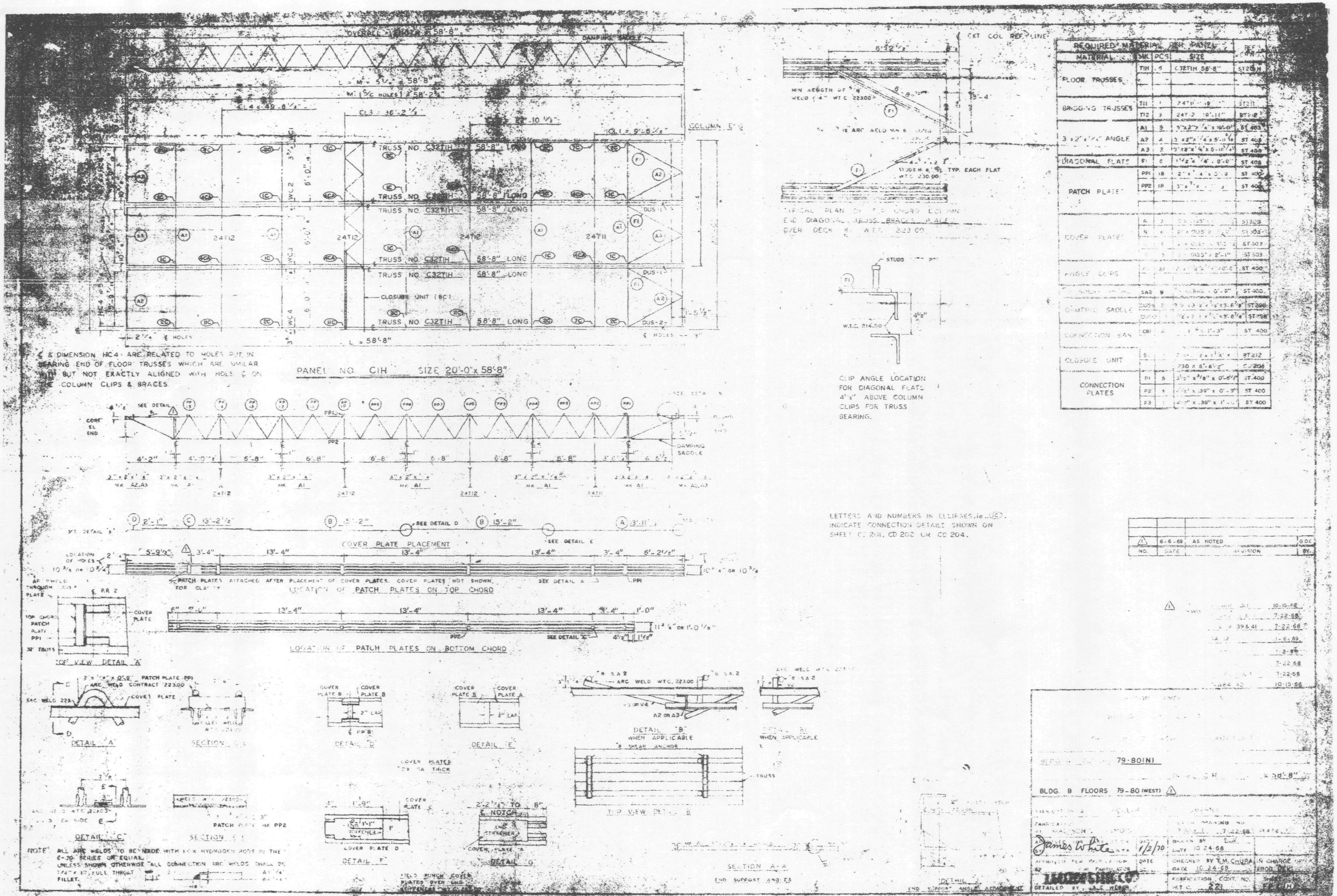
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (N&S)

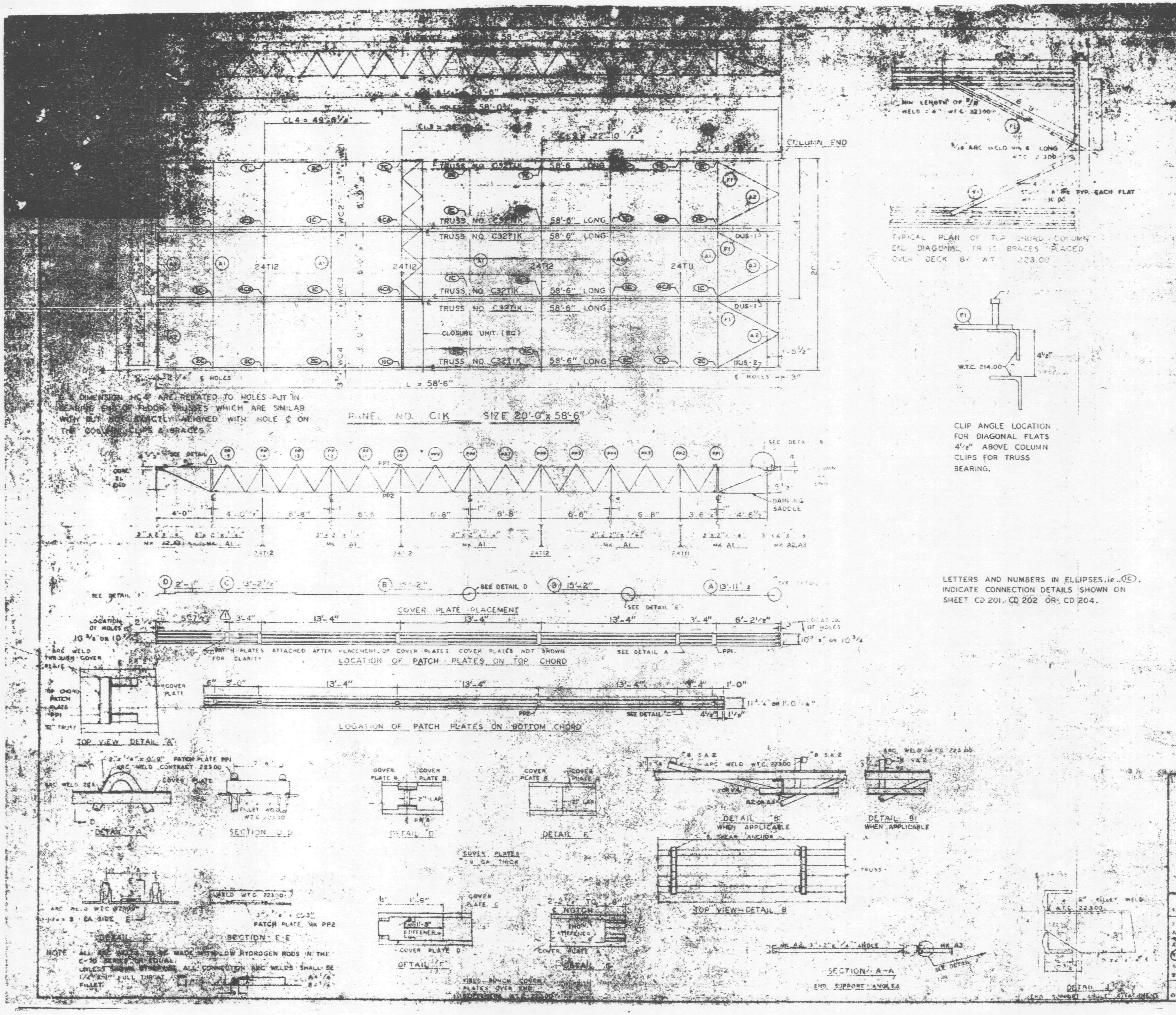
PANEL C1G 20'-0" x 58'-11"

BLDG. B FLOORS 39-40 (EAST & WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY James White DATE 1/2/70
DRAWN BY DATE 10-24-68
CHECKED BY T.M. CHURA DATE 10-24-68
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. 227
SHEET NO. FP C1G



OVERALL LENGTH 58'-8"
DAMPING SADDLE
COLUMN ℄'S
TRUSS NO. C32TIH 58'-8" LONG
TRUSS NO. C32TIH 58'-8" LONG
TRUSS NO. C32TIH 58'-8" LONG
CLOSURE UNIT (BC)
TRUSS NO. C32TIH 58'-8" LONG
24T12
24T11
L = 58'-8"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON COLUMN CLIPS & BRACES.
PANEL NO. CIH SIZE 20'-0" x 58'-8"
COVER PLATE PLACEMENT
SEE DETAIL D
SEE DETAIL E
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL "A"
DETAIL "A"
SECTION C-C
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
TOP VIEW DETAIL B
DETAIL "C"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLES
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 4" FULL THROAT FILLET.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (IC), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3 x 2" x 1/4" ANGLE
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
6-6-69 AS NOTED
BLDG. B FLOORS 79-80 (WEST)
79-80(N)
James White 1/2/70
CHECKED BY T.M. CHURA
DATE 10-24-68



	MK	PCS	SIZE	REF. DRWG.
FLOOR TRUSSES	C1K	6	C32T1K 58'-6"	ST C1K
BRIDGING TRUSSES	T11	1	24T11 - 19'-10"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	8	3"x2"x1/4" x [illegible]	ST 403
	A2	4	3"x2"x1/4" x 5'-11 5/16"	ST 403
	A3	3	3"x2"x1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	4	3 2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 288
	DUS-2	1	3 2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 288
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4x1 1/2" x 1 1/4" x	BT212
			220 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	

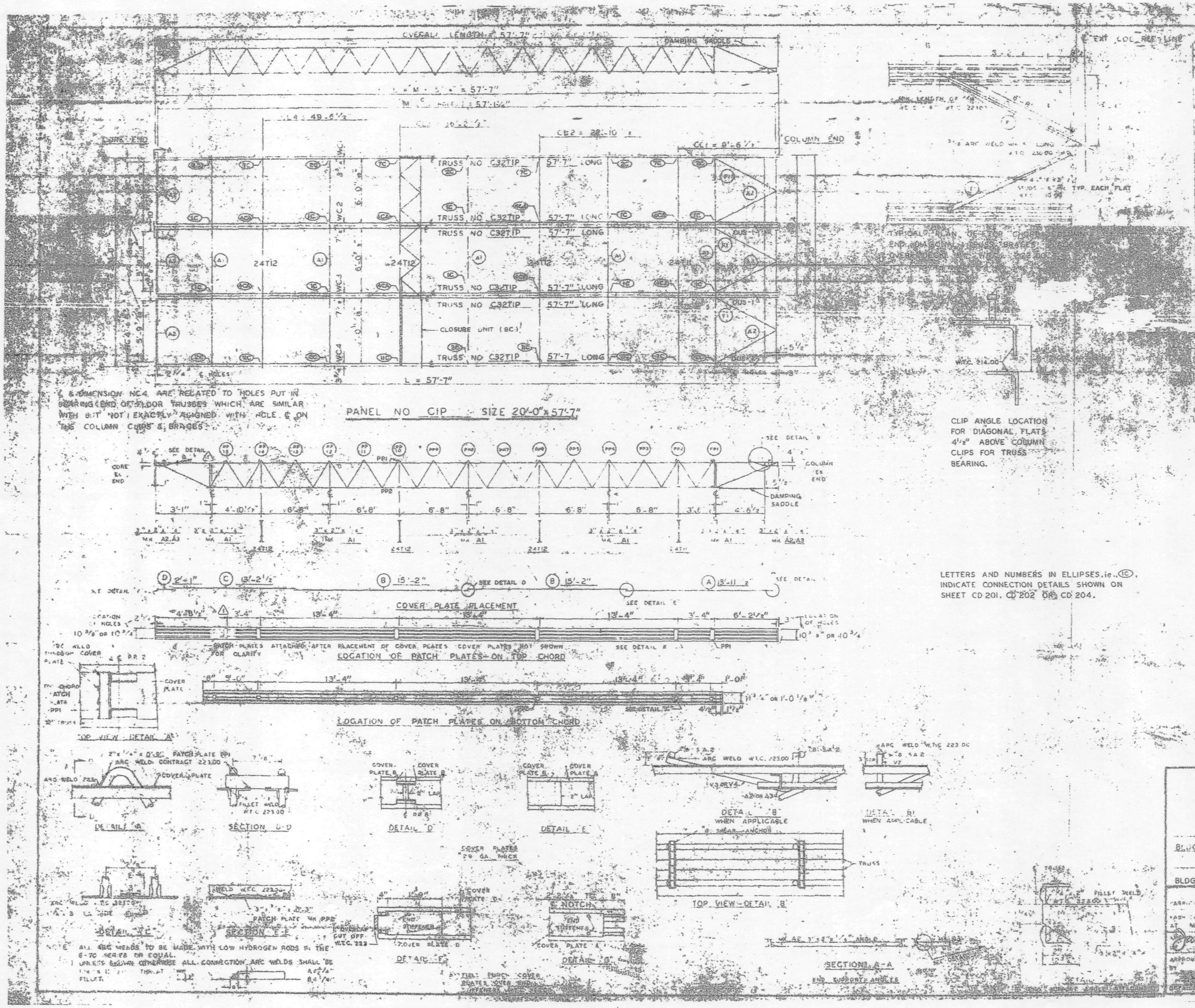
REF. DRAG.

7-AB4-2	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-39 & 41	7-22-68
SA-324	1-6-69
7-AB3-2	1-3-69
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45(S), 46(N&S)
PANEL C1K - 20' x 58'-6"
BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB? 7
APPROVED FOR FABRICATION BY James White — DATE 1/9/70
DRAWN BY — DATE 10-24-68
CHECKED BY T.M. CHURA — DATE 10-24-68
FABRICATION CONT. NO. W.T.C. 221
SHEET C1K
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL

MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1P	6	C32T1P 57'-7"	[illegible]
DAMPING TRUSSES	T12	3	24T12 [illegible]	[illegible]
3 1/2 x 1/4 ANGLE	A1	3	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
DIAGONAL FLATS	F1	5	[illegible]	[illegible]
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135 x 13'-11 1/4"	ST 302
	B	6	9" x .0135 x 15'-3"	ST 299
	C	3	9" x .0135 x [illegible]	ST 300
ANGLE CLIPS	CJ	27	2" x 1 1/2 x 1/4 x [illegible]	ST 400
SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2 x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2 x 1 1/2 x [illegible]	BT 219
			230 x 8'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/8"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NO.	DATE	REVISION
1	6-6-69	AS NOTED

REF DRWG

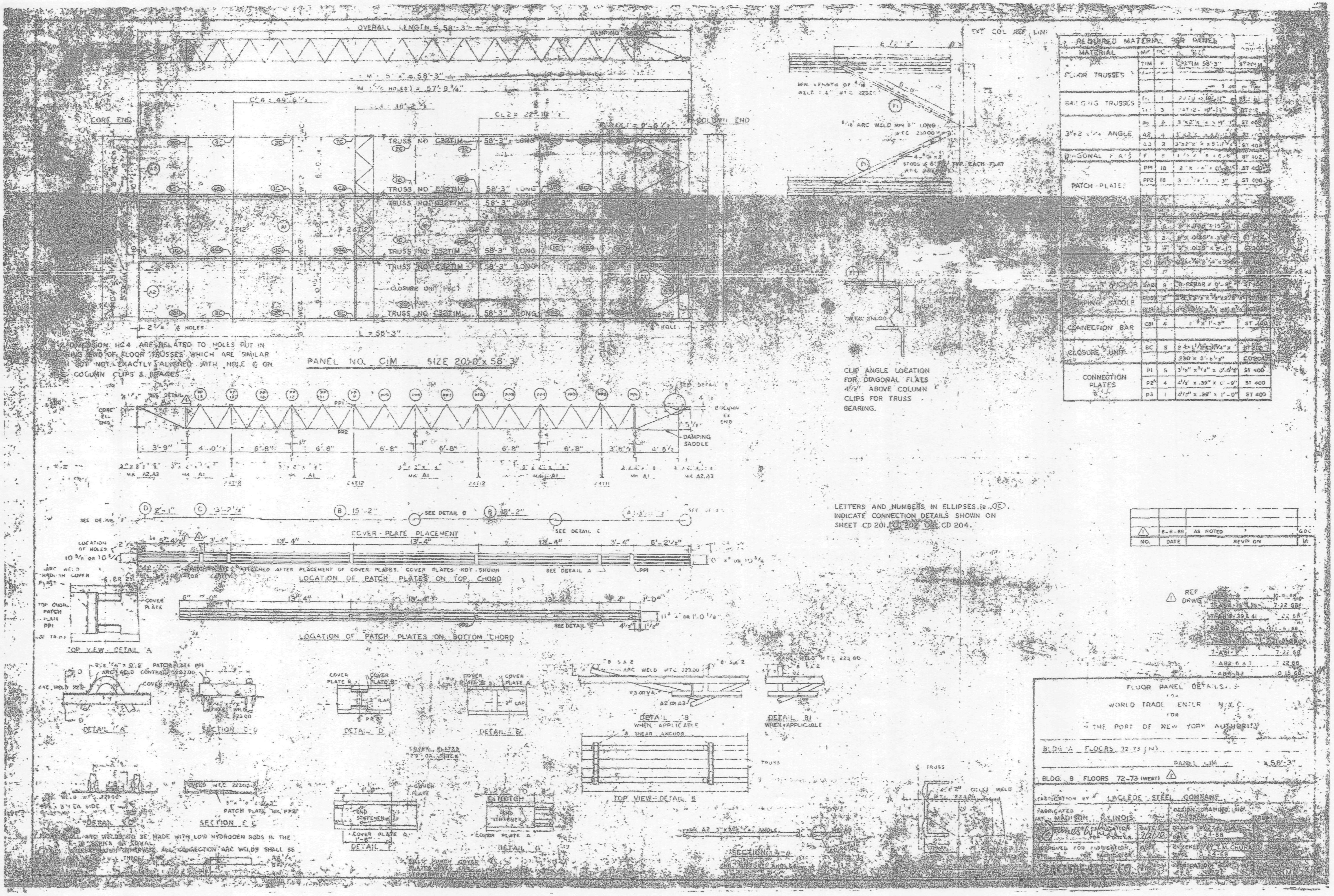
7-AB4-38 & 41
SA 12
7-AB
7-AB
7-AB
7-AB4-43 10-15-68

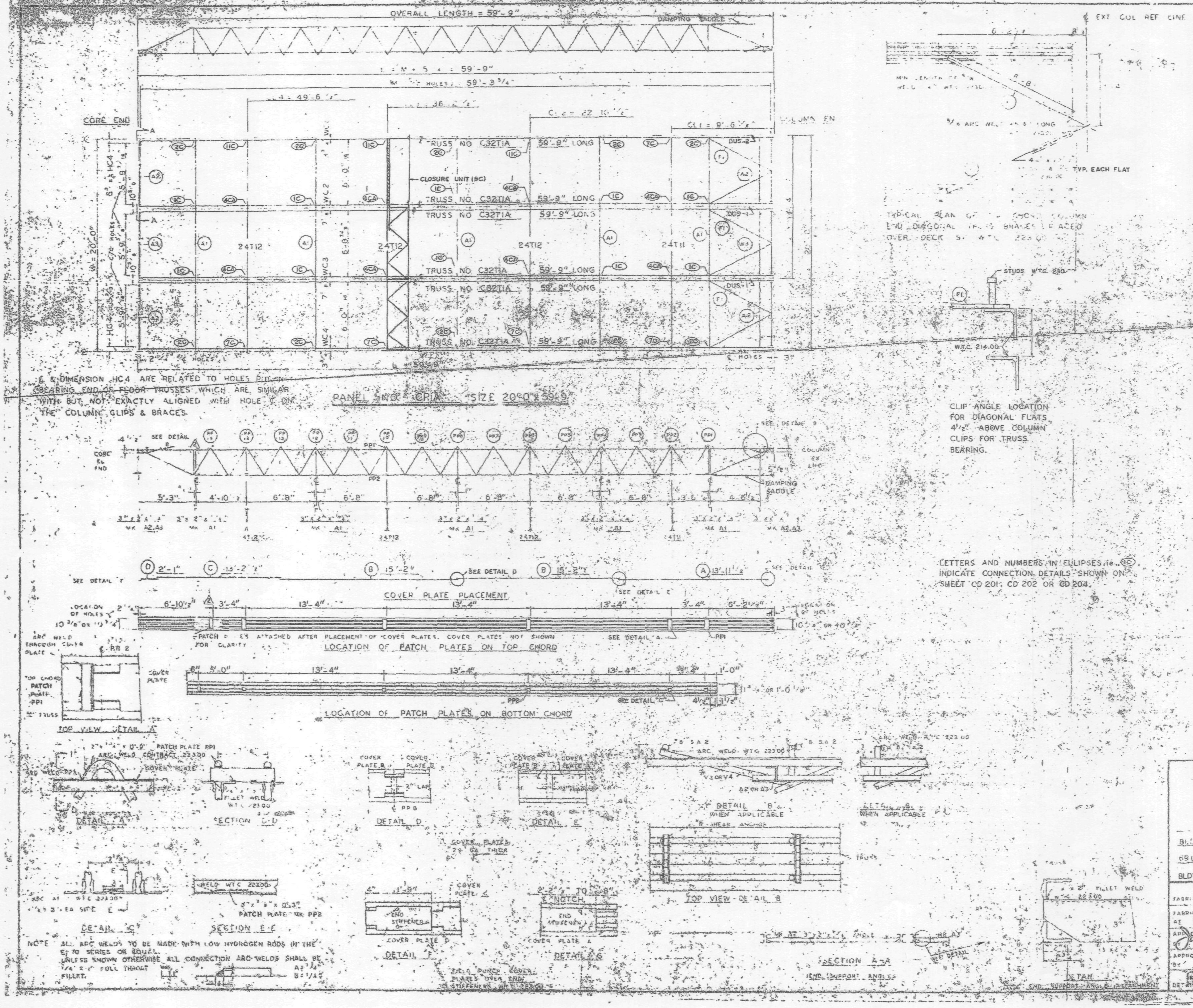
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74 (N)

BLDG. B FLOORS 74 (WEST) ⚠1

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB
APPROVED FOR FABRICATION: James White — DATE 1/2/70
DRAWN BY — DATE [illegible] 4-68
CHECKED BY T.M. CHUBA — DATE [illegible] 24-68


OVERALL LENGTH = 58'-3"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO. C32TIM 58'-3" LONG
CLOSURE UNIT (BC)
L = 58'-3"
DIMENSION HC4 ARE RELATED TO HOLES PUT IN BRG END OF FLOOR TRUSSES WHICH ARE SIMILAR BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON COLUMN CLIPS & BRACES
PANEL NO. CIM SIZE 20'-0" x 58'-3"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
DETAIL A
SECTION D-D
DETAIL D
DETAIL E
DETAIL B
WHEN APPLICABLE
DETAIL B1
WHEN APPLICABLE
TOP VIEW DETAIL B
DETAIL C
SECTION E-E
DETAIL F
DETAIL G
SECTION A-A
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, (e.g. 1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x¼ ANGLE
DIAGONAL FLATS
PATCH PLATES
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
P1 5 3½" x 3/8" x 0'-5½" ST 400
P2 4 4½" x .39" x 0'-9" ST 400
P3 1 4½" x .39" x 1'-0" ST 400
6-6-69 AS NOTED
NO. DATE REVISION
REF DRWG
7-AB1-2 7-22-68
7-AB2-6 & 7 7-22-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 72-73 (N)
PANEL CIM 58'-3"
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DATE 7/2/70
DRAWN DATE 10-24-68
CHECKED BY T.M. CHURA DATE 10-24-68
APPROVED FOR FABRICATION FOR FABRICATOR



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-8"	ST201A
BRIDGING TRUSSES	T11	1	24T11 - [illegible]	[illegible]
	T12	3	24T12 - 19'-11"	BT212
3 x 2 x 1/4 ANGLE	A1	3	3" x 2" x 1/4 x 18'-11"	ST 403
	A2	4	3 x 2" x 1/4 x 5'-11 3/8"	ST 403
	A3	2	3" x 2" x 1/4 x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	5	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	18	2 x 4 x 0'-9	ST 400
	PP2	18	[illegible] 3"	ST 400
COVER PLATES	A	3	9" x .0135 x 3'-11 1/2	ST303
	B	6	9" x .0135" x 5'-2"	ST303
	C	3	9" x .0135" x 3'-2 1/2	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4 x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" [illegible] 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1 1/2" x 1 1/4" x	BT212
			230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

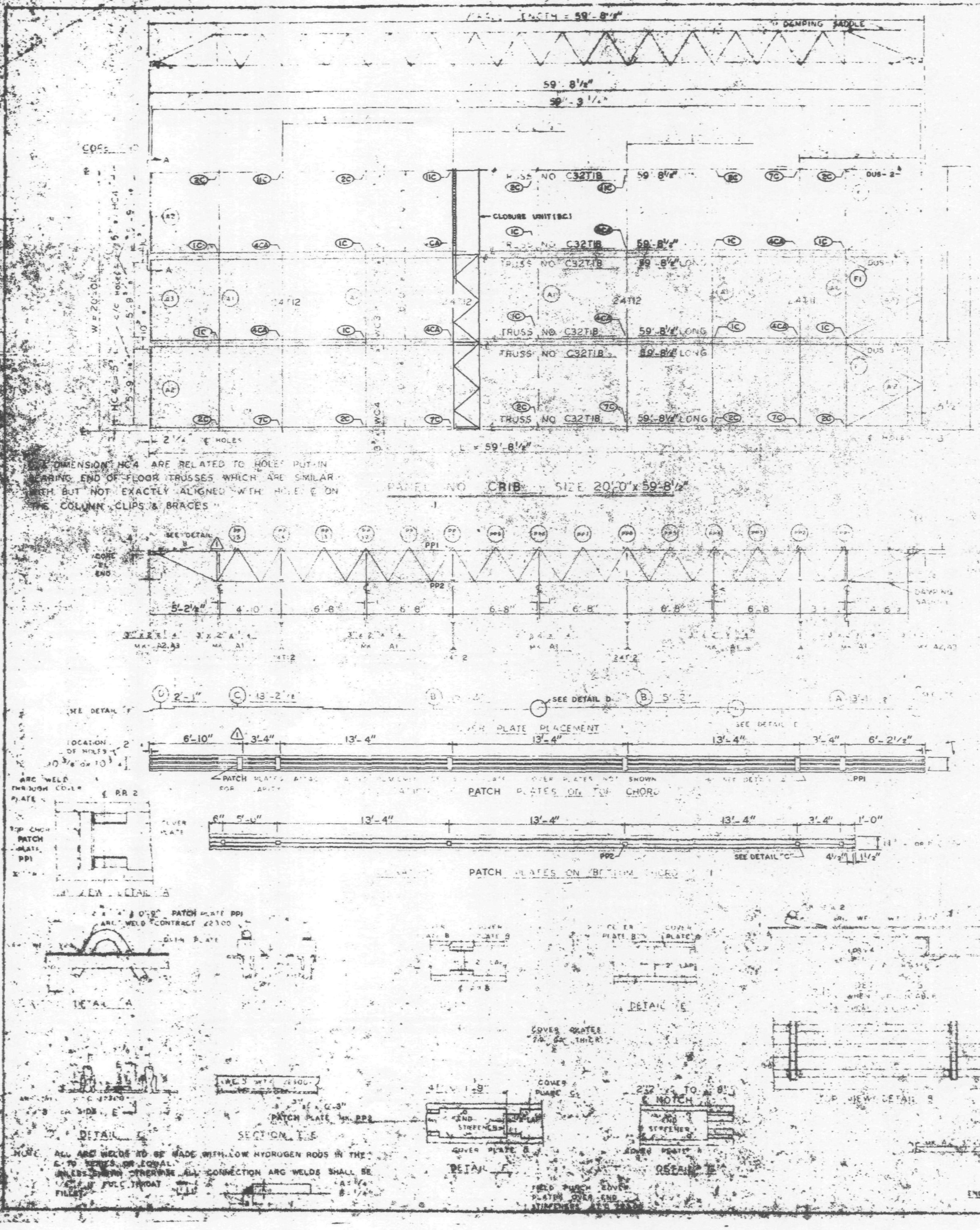
NO.	DATE	REVISION	BY
2	5-6-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

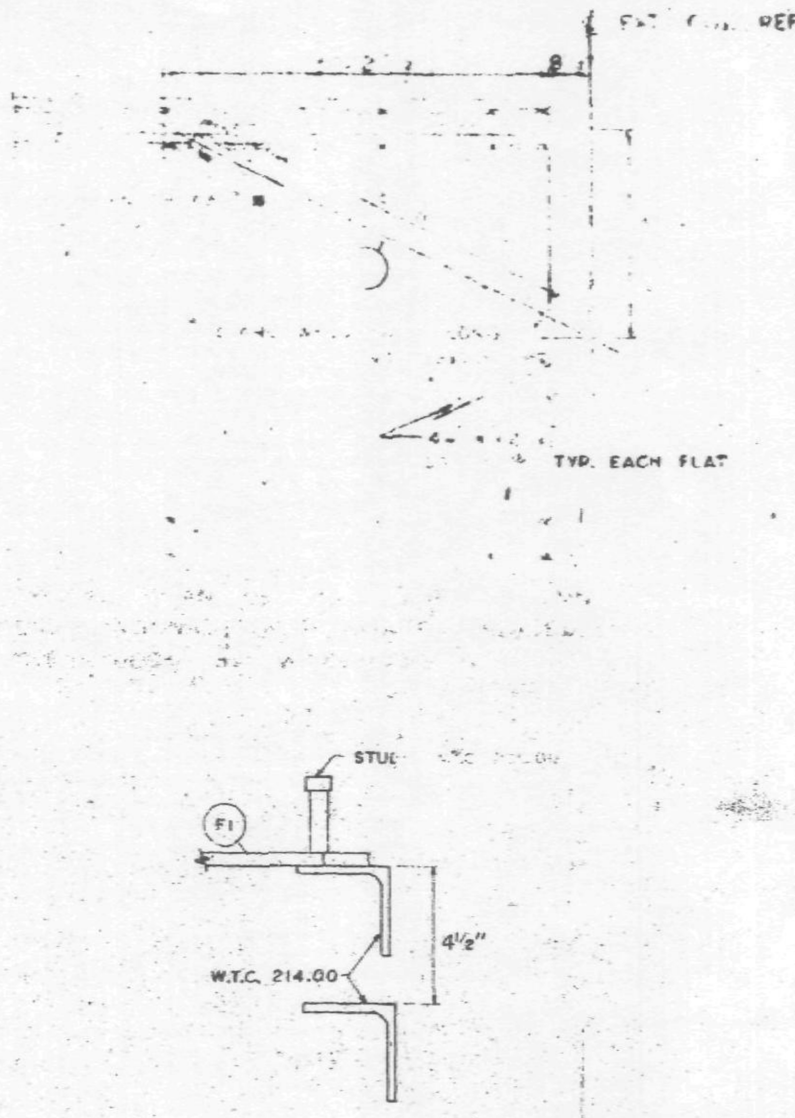
REF. D-WG.	
7-AB4-13	10-15-68
7-AB4-7 & 8	7-22-68
7-AB4-41	7-22-68
5A-124	1-6-69
7-AB3-2	3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH), 49-58, 60-66, 68, 69 (NORTH) PANEL CRIA - 20'-0" x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-[illegible] (2)

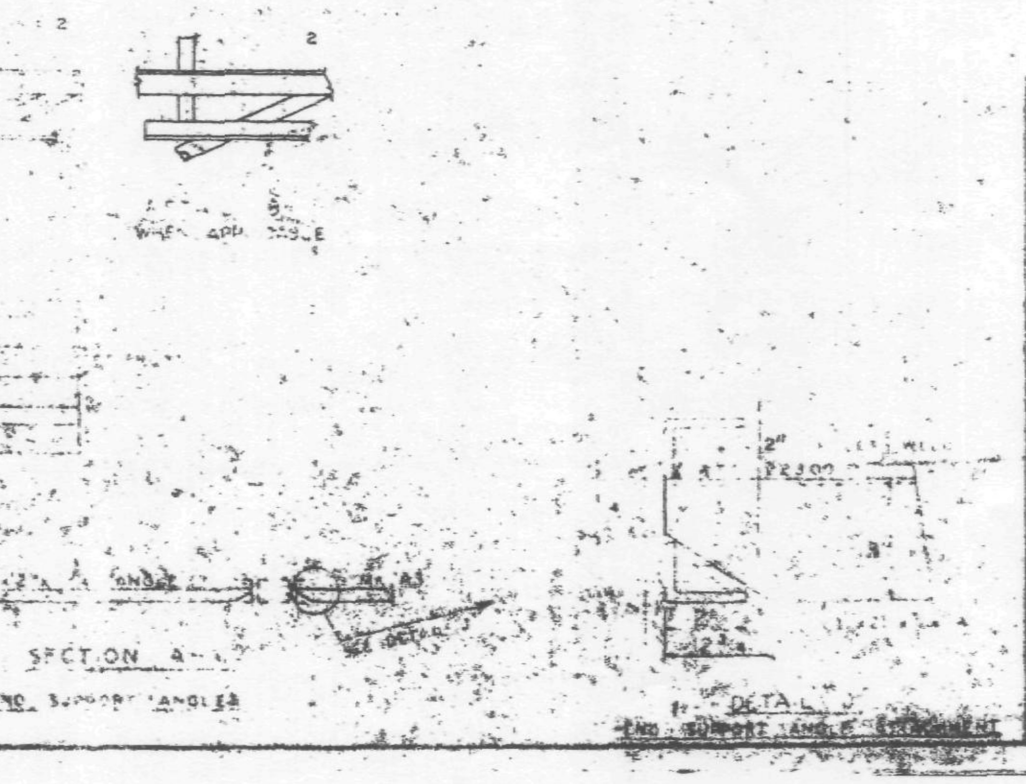
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-8 4-1-68 PLATE
APPROVED FOR FABRICATION BY James White DATE 1/2/70
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY J.R. PAUL DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CRIA





CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	[illegible]	PCS	SIZE	
FLOOR TRUSSES	B	[illegible]	[illegible]B - 59' 8 1/2"	ST201B
	T2	3	24T12 [illegible] 19'-11"	BT212
[illegible] ANGLE	A1	5	[illegible] 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	[illegible]	[illegible]	[illegible]	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 3"	ST 400
COVER PLATES	A	3	[illegible] x 3'-11 1/2"	ST303
	B	6	[illegible] x 13'-2"	ST303
	C	3	[illegible] .35" x 3'-2 1/2"	ST303
	D	3	[illegible] .35" x 2'-1"	ST303
ANGLE CLIPS	CP	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 4 x 1 1/2" x 1 1/4" x - 230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	G.D.C.
1	6-9-69	AS NOTED	[illegible]

[illegible]	10-15-68
[illegible] 15,16	7-22-68
[illegible] AB3-41	7-22-68
[illegible]	1-6-69
7-AB3-[illegible]	[illegible]
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-4[illegible]	10-15-68

[illegible] TAILS

WOR[illegible] N.Y.C.

[illegible] AUTHORITY

[illegible] 83-91 & 93-106 (N)

PANEL CRIB [illegible] x 59'-8 1/2"

BLDG. B FLOORS 83-91 & 93-106 (WEST) △1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3 8

APPROVED FOR FABRICATION BY James White FOR [illegible] DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

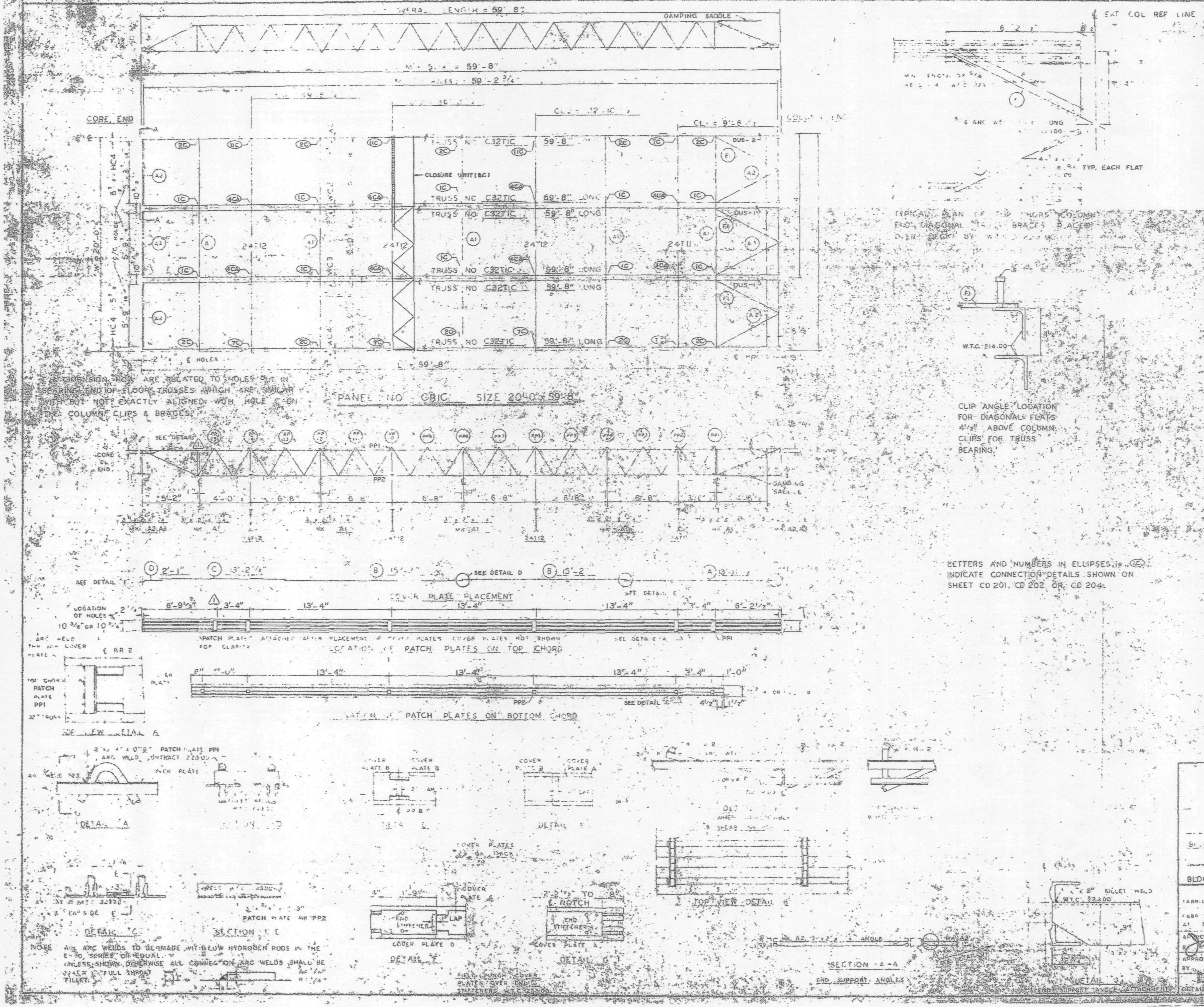
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE:

CHECKED BY T.M.CHURA DATE OCT 23, 1968

DETAILED BY LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET FR CRIB



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]C	6	C32T1C - 59'-8"	ST201C
BRIDGING TRUSSES	[illegible]	1	24T[illegible] 9 [illegible]	[illegible]
	T-2	3	24T12 - 19'-11"	BT 212
3" x 2" x 1/4" ANGLE	A1	9	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	[illegible]	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	[illegible] x 6'-6"	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x [illegible] 9"	ST 400
	PP2	18	3" x [illegible] x [illegible] 3"	ST 400
COVER PLATES	A	3	9" x .035" x 15'-11 1/2"	ST303
	B	6	9" x .035" x 5'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .035" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB4-3	10-15-68
7-AB4-15,16 & 39	7-22-68
7-AB4-41	7-22-68
SA-12.4	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

[illegible] DETAILS FOR [illegible] N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60-66, 68-74, 79-91 & 93-106 (S)

PANEL GRIC 20'-0" x 59'-8"

BLDG. B FLOORS 49-58, 60-74, 79-91 & 93-106 (EAST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8 PLATE

APPROVED FOR FABRICATION BY James White P.N.Y.A. DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

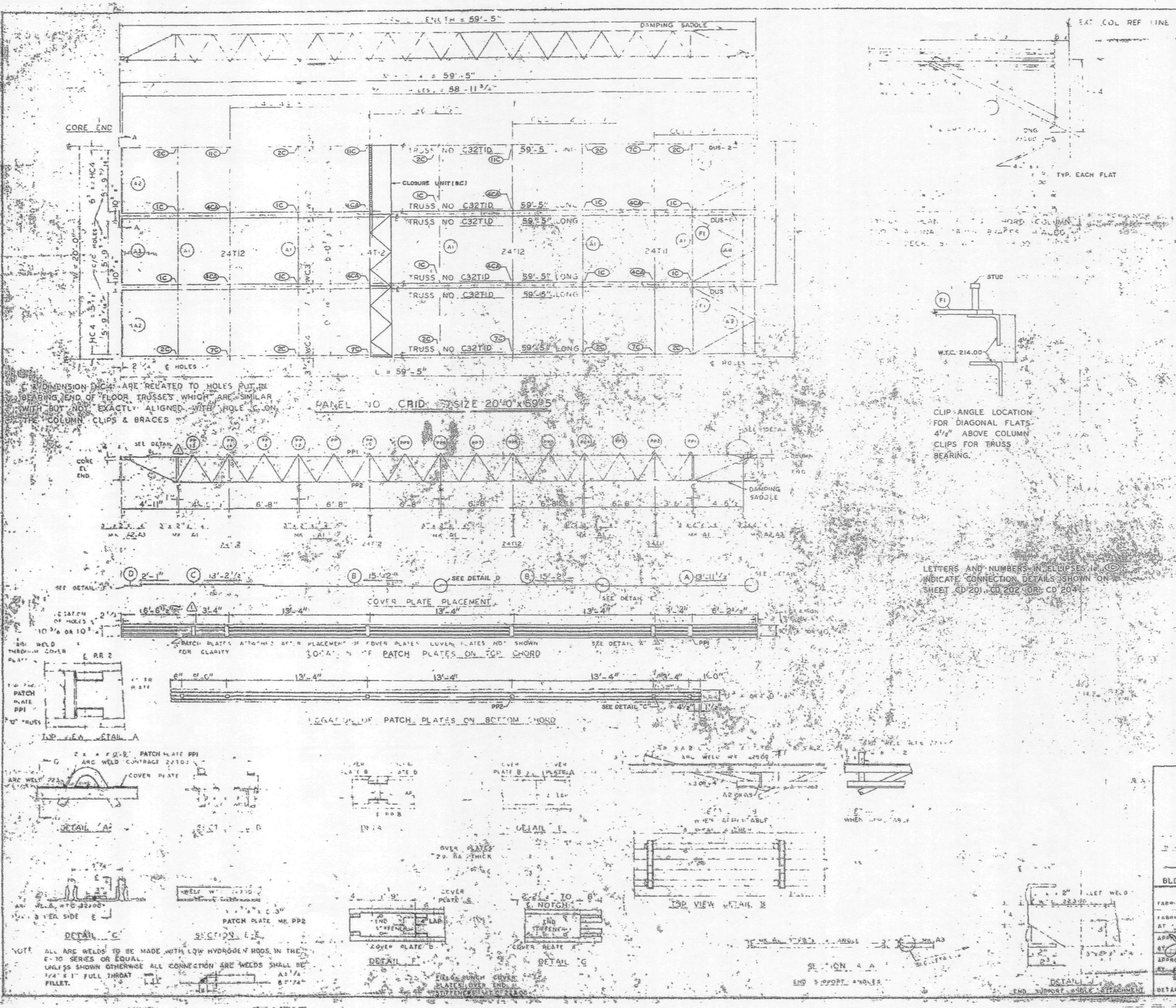
CHECKED BY T.M.CHURA DATE OCT 23, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY C. WEBER

FABRICATION CONT. NO. W.T.C. [illegible]

SHEET NO. GRIC



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TID	5	C32TID - 59'-5"	ST201D
BRIDGING TRUSSES	[illegible]	1	24T[illegible] - 19'-11"	BT2[illegible]
	T12	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	3	3 x 2 x 1/4 x 18'-11"	ST 403
	A2	4	3 x 2" x 1/4 x 5'-11 9/16	ST 403
	A3	2	3" x 2 x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F	5	[illegible] 2 x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	[illegible] x 3/8" x [illegible]-3"	ST 400
COVER PLATES	A	3	9" x .0135 x 13'-11 1/2"	ST303
	B	6	9 x .0135 x 15'-2	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2 x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2 x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1 1/2" x 1 1/4" x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	
1	6-9-69	AS NOTED	

REF. DRAWINGS:

AB4 [illegible]	10-13-68
AB4 15,16 & 39	7-22-68
AB4 41	7-22-69
A-124	1-6-69
AB3	[illegible]
AB1 [illegible]	7-22-68
AB2 [illegible]	7-22-68
AB4 4[illegible]	10-15-69

[illegible] THE PORT OF NEW YORK AUTHORITY

[illegible] FLOORS 81-82 (N)

PANEL CRID [illegible] 59'-5"

BLDG. B FLOORS 81-82 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

PLATE [illegible]

APPROVED FOR FABRICATION BY James White P.N.Y.A. DATE [illegible]/70

DRAWN BY [illegible] DATE OCT. 23, 1968

APPROVED FOR FABRICATION BY [illegible] DATE [illegible]

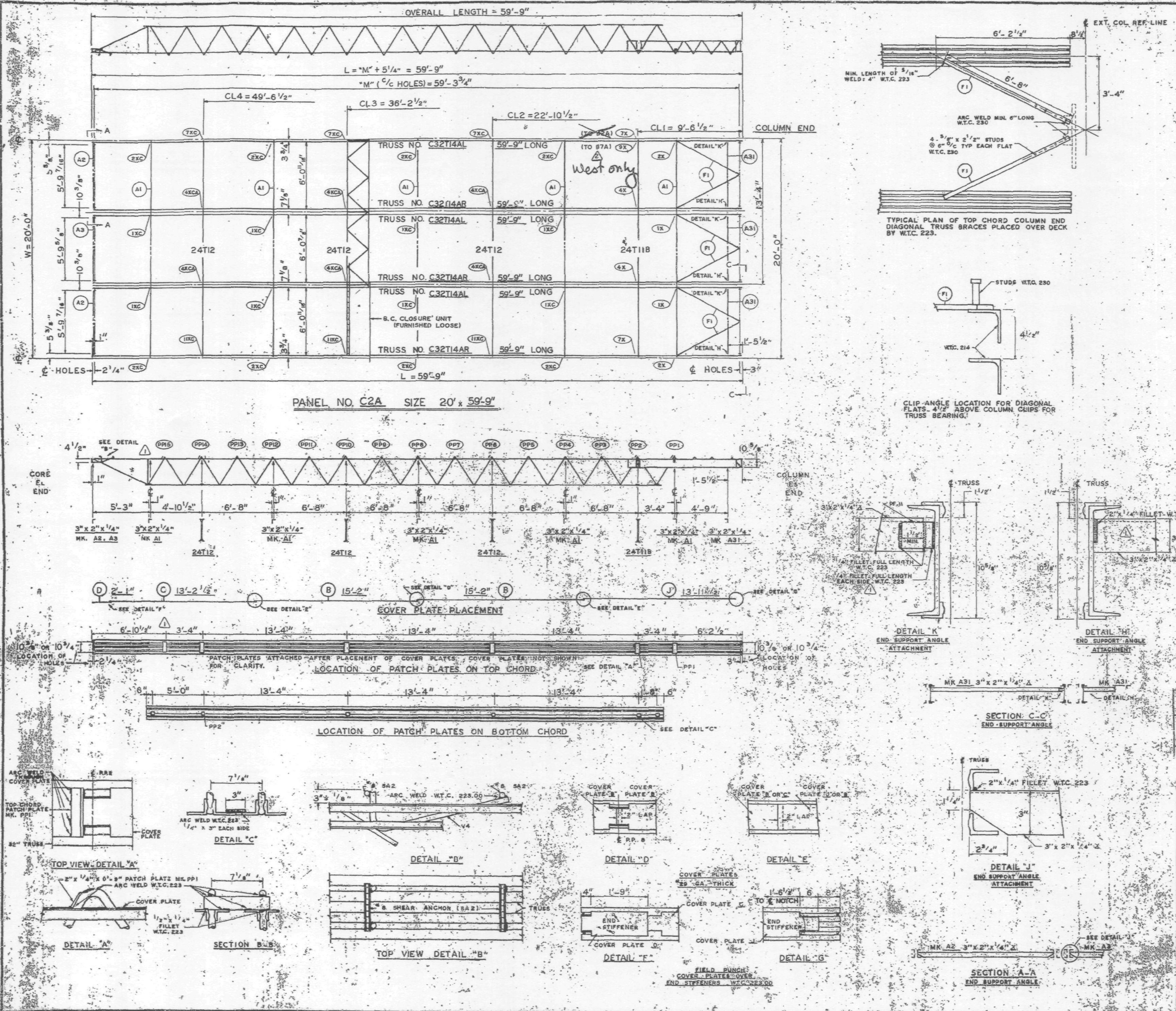
CHECKED BY T.M. CHURA DATE OCT. 23, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. [illegible] 221

SHEET NO. FP CRID



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T118	1	24T118 x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-6 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

SKILLING · HELLE CHRISTIANSEN · ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 6/6/69 by SK

REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

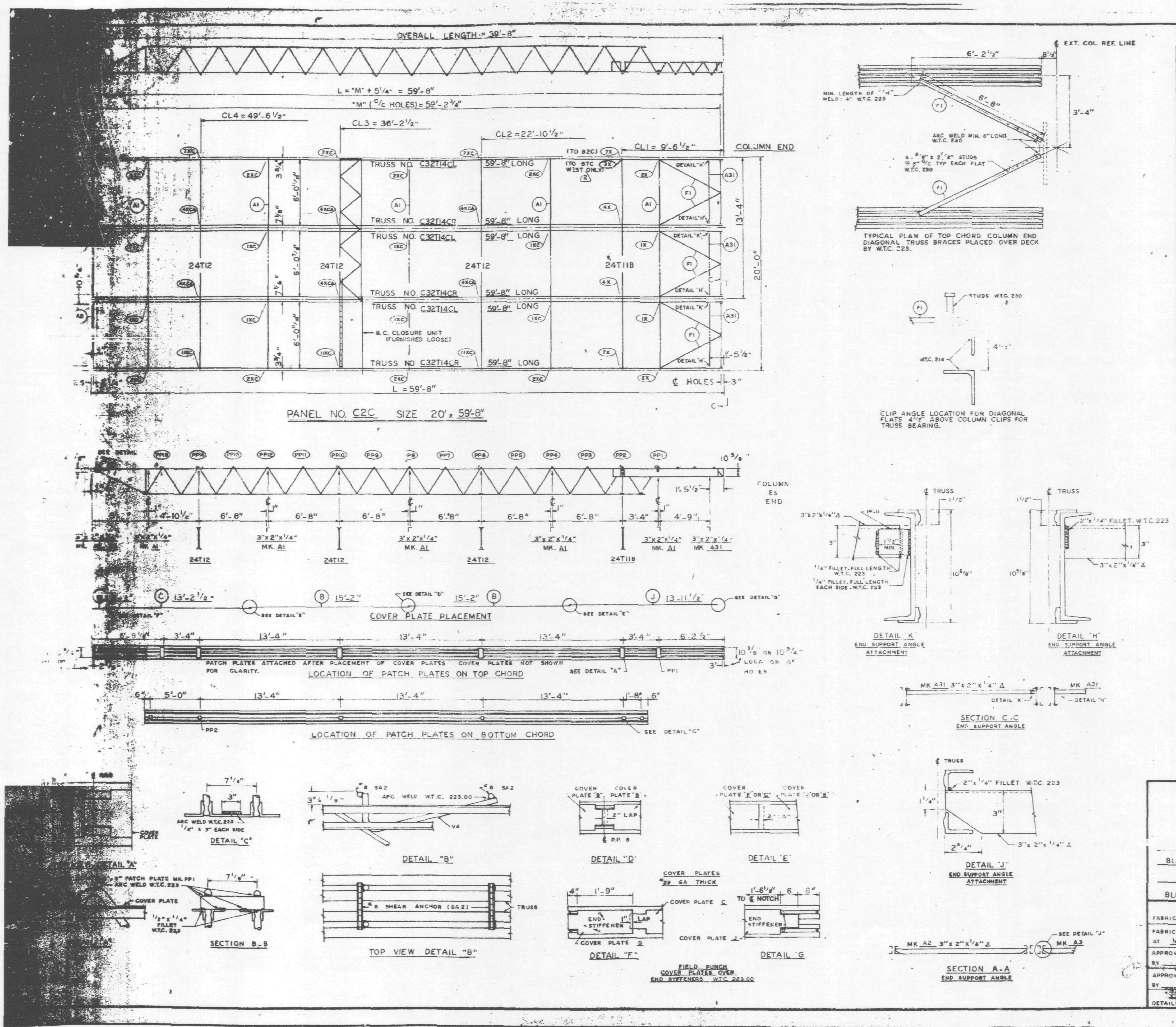
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) (1)

PANEL C2A - 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-28	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.N. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	6-13-69	AS NOTED	G.D.C.
1	5-12-69	AS NOTED	G.D.C.

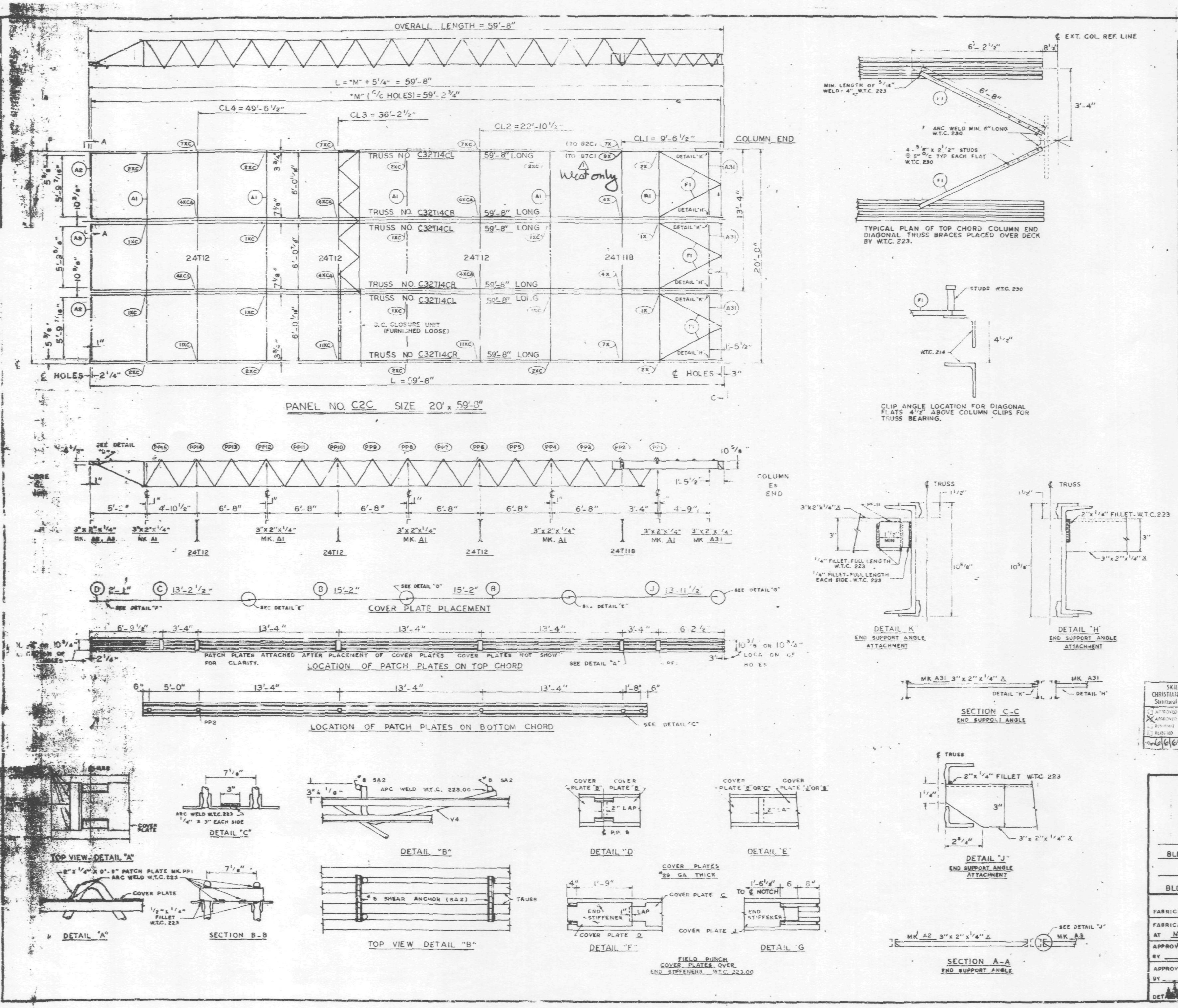
REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

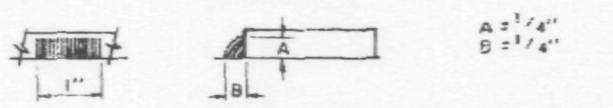
BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL C2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-28 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE 7/28/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP C2C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T118	1	24T118 x 19'-11"	BT 2118
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" D 6'-6 1/2" TUBE	BT 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 3'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .035" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x 1 1/2"x .25"x 0'-6"	ST 400
#? SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES O EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.C

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
REJECTED
6/6/69 By SK

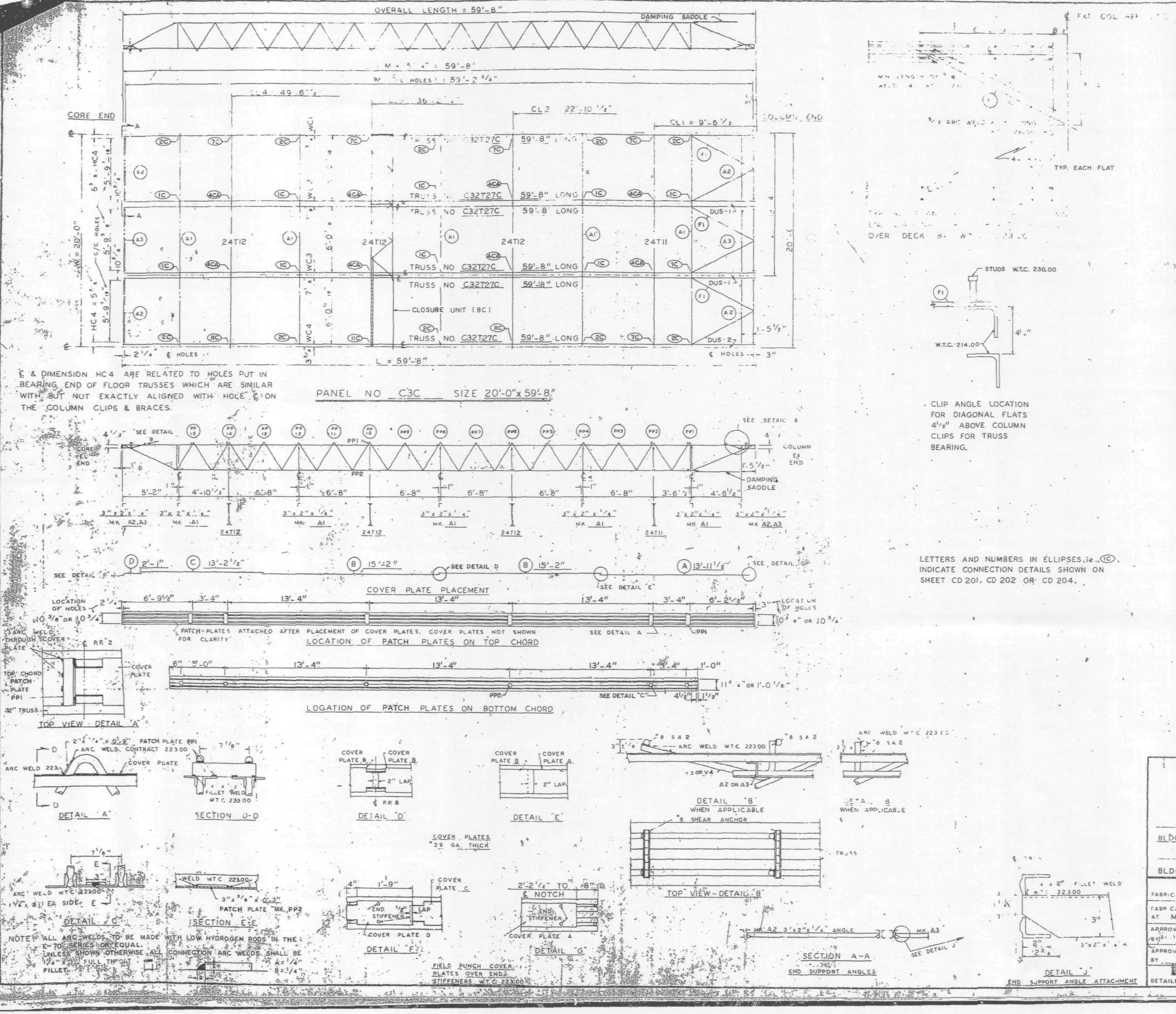
REF DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL C2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-28 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY [signature] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FABRICATOR DATE
CHECKED BY T.N. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DIV.
DETAILED BY
FABRICATION CONT NO W.T.C. 221
SHEET NO FP C2C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	27C	6	C32T27C - 59'-8"	ST227C
	[illegible]	1	24[illegible] 9'-1"	BT2[illegible]
	T12	3	24T12 - 9'-11"	BT212
ANGLE	A1	5	3" x 2 x 1/4 x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5-11	ST 403
	A3	[illegible]	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
[illegible]	F	[illegible]	[illegible] x 5'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x [illegible]-3"	ST 400
COVER PLATES	A	3	[illegible]	ST303
	B	6	9" x .0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0-6	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"Φ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1 1/2" x 1 1/4" x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

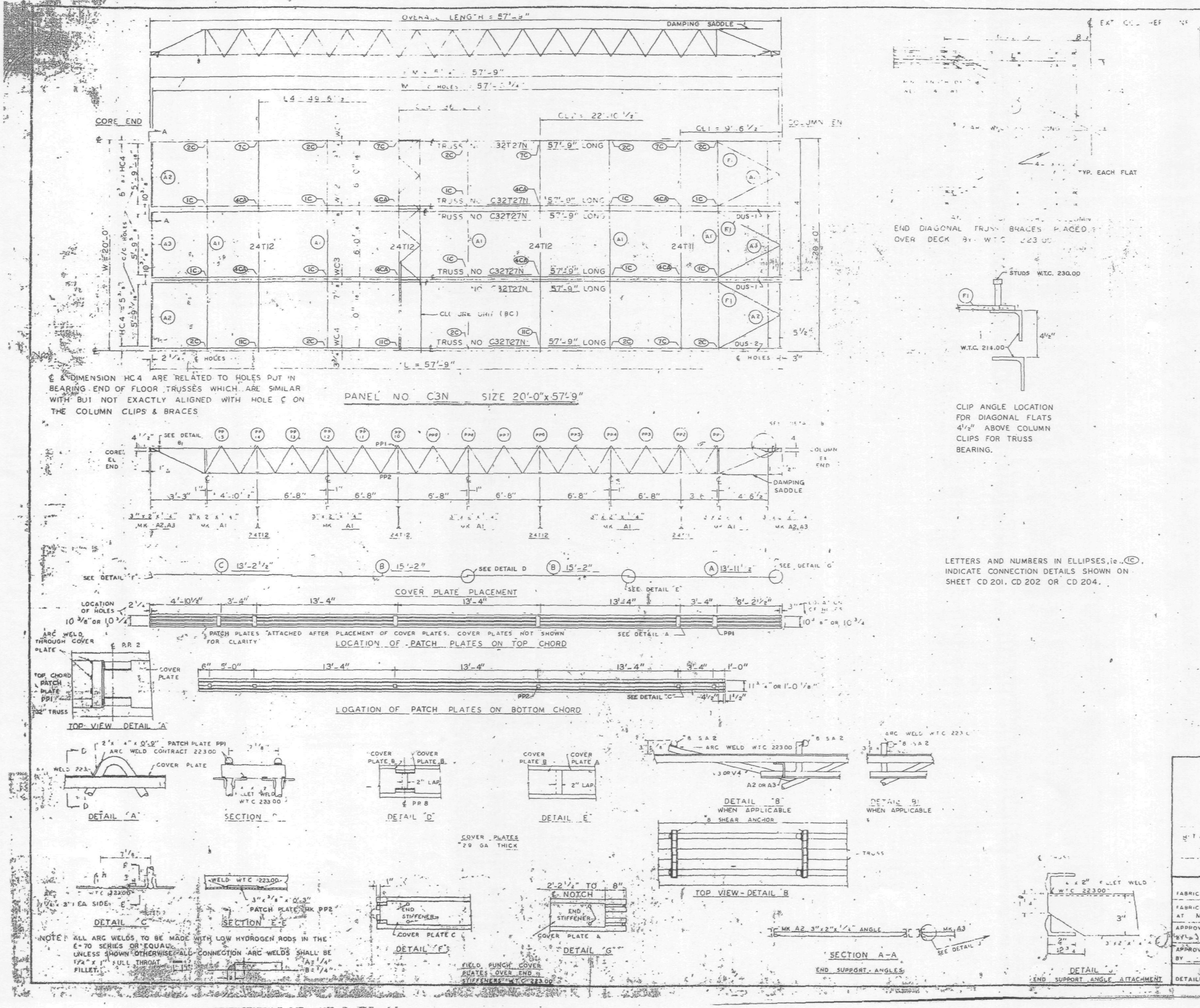
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB9-45	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOOR 78 (SOUTH)
PANEL C3C - 20'-0" x 59'-8"
BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-45	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C3C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
	27N	6	T27N 57'-3"	ST227N
				ST211
	T12	3	24T12 - 19'-11"	ST212
	A1	3	3" x 2" x 1/4" x 19'-11"	ST 403
ANGLE	A2		x 2 x 1/4 x 5'-11 9/16	ST 403
	A3	2	3 x 2 x 1/4 x 5'-11 3/4"	ST 403
	F1		x 2 x x 5 8	ST 402
PATCH PLATES	PP1	18	x x 4 x 9	ST 400
	PP2	18	3" x 3/8 x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11 1/2"	ST303
	B	6	9" x 0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS 2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1 1/2" x 1 1/4" x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA 12 4	1-6-69
7-AB3-45	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

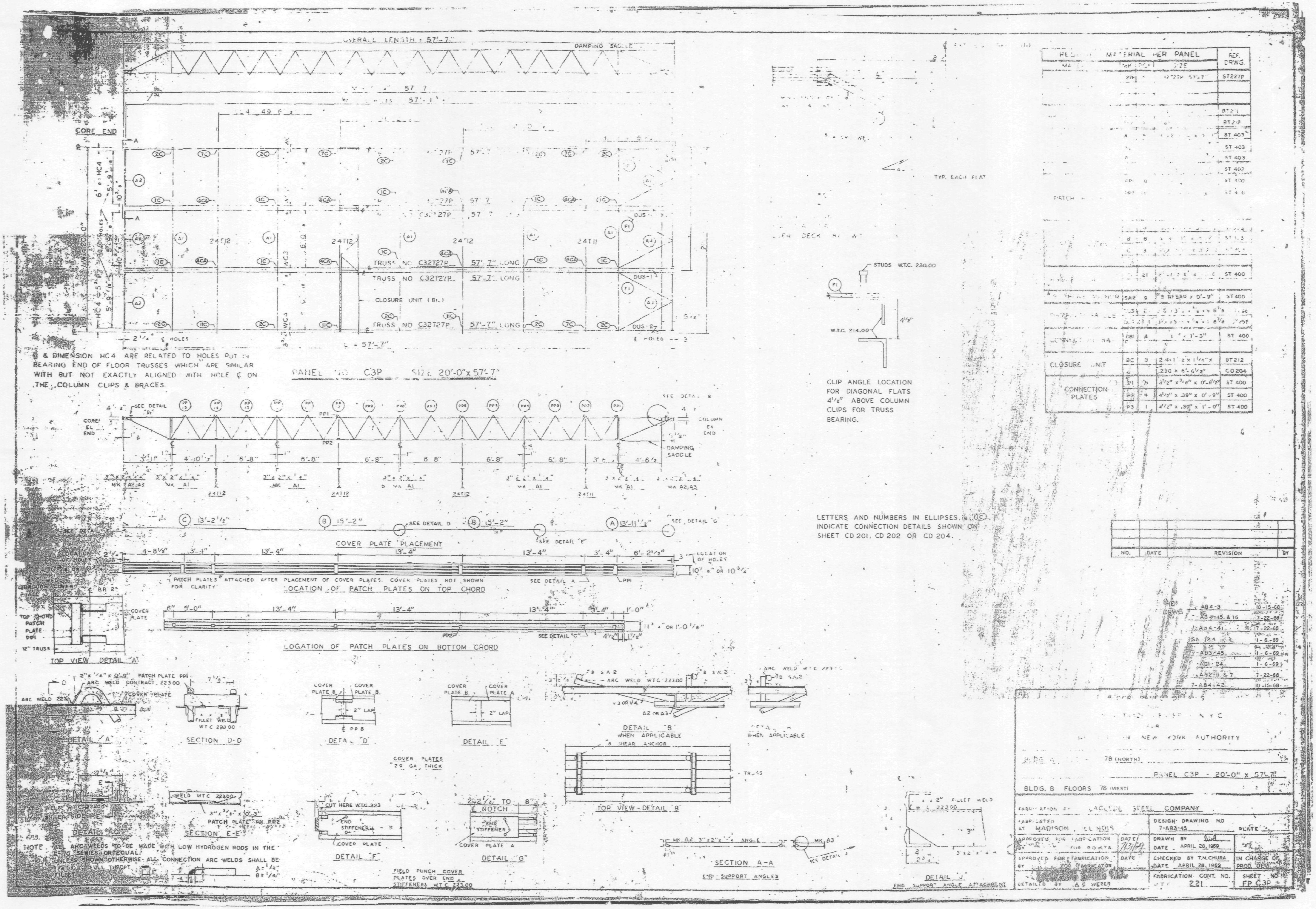
BLDG B 44 (EAST)

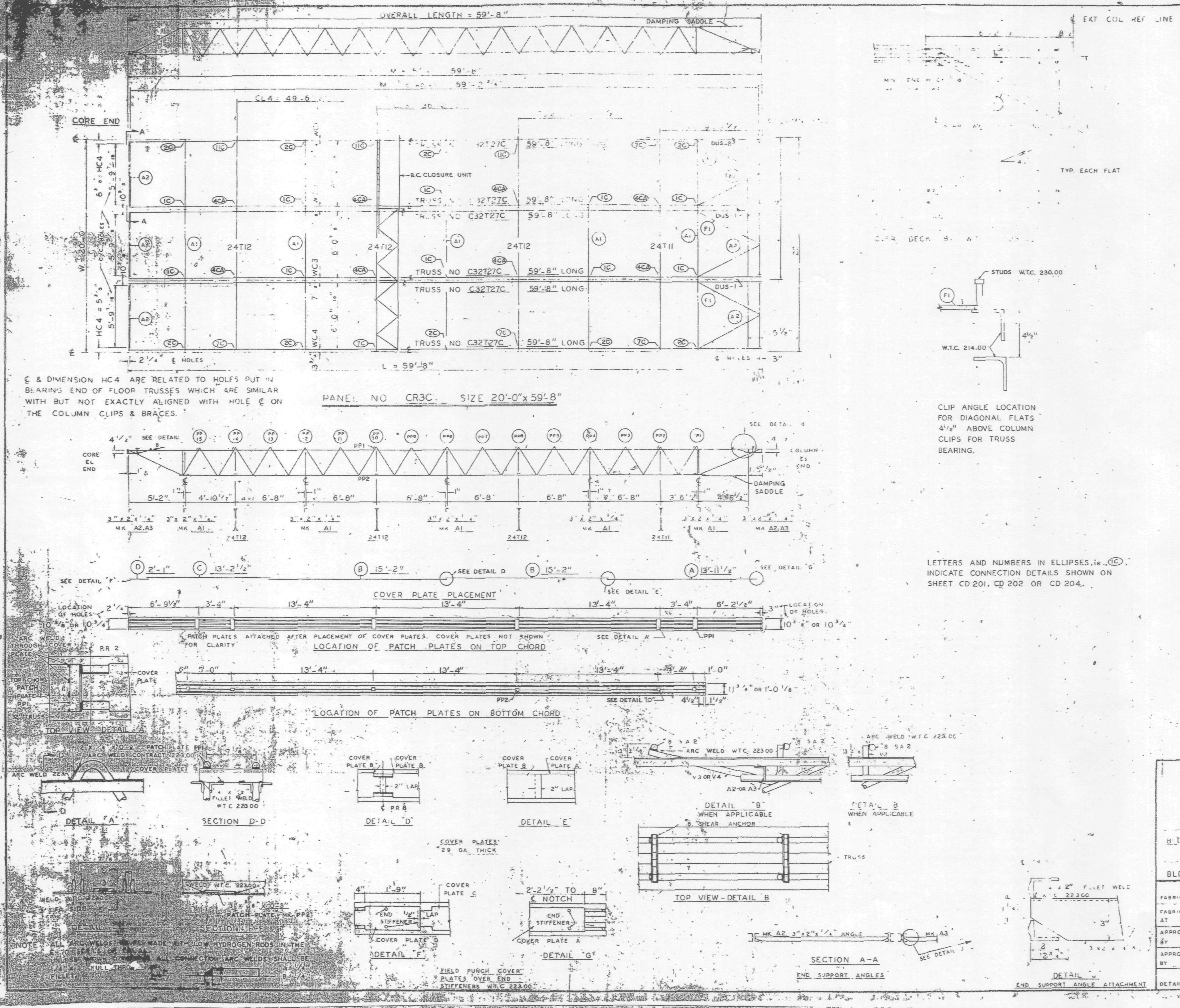
PANEL C3N - 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-45	PLATE
APPROVED FOR FABRICATION BY FOR PONYA	DATE 7/31/69	DRAWN BY DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C3N

LACLEDE STEEL CO.


OVERALL LENGTH = 57'-7"
DAMPING SADDLE
CORE END
TRUSS NO. C32T27P 57'-7" LONG
CLOSURE UNIT (BC)
24T12
24T11
DUS-1
DUS-2
€ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE € ON THE COLUMN CLIPS & BRACES.
PANEL NO. C3P SIZE 20'-0" x 57'-7"
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
DETAIL "H" WHEN APPLICABLE
TOP VIEW - DETAIL "B"
COVER PLATES 20 GA. THICK
SECTION E-E
DETAIL "C"
DETAIL "F"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
SECTION A-A
END SUPPORT ANGLES
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
TYP. EACH FLAT
LETTERS AND NUMBERS IN ELLIPSES (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
MATERIAL PER PANEL
REF. DRWG.
CLOSURE UNIT
CONNECTION PLATES
NO. DATE REVISION BY
NEW YORK AUTHORITY
PANEL C3P - 20'-0" x 57'-7"
BLDG. 8 FLOORS 78 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-45
DRAWN BY
DATE APRIL 28, 1969
CHECKED BY T.M.CHURA
DATE APRIL 28, 1969
FABRICATION CONT. NO. 221
DETAILED BY A.F. WEBER
SHEET NO. FP C3P



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
[illegible]	27C	6	C32T27C-59'-8"	ST227C
[illegible]	T11	1	24T[illegible]	BT211
	T12	3	24T12 - 19'-11"	BT212
ANGLE	A1	5	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A[illegible]		[illegible]	ST 403
[illegible]	F1	[illegible]	[illegible] 8"	ST 402
PATCH PLATES	PP1	18	[illegible] 9"	ST 400
	PP2	18	[illegible] 3"	ST 400
COVER PLATES	A	3	[illegible]	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS 2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1 ϕ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 ∠ 1½" x 1¼" x	BT 212
			.230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-12 4	1-6-69
7-AB3-46	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A [illegible] 78 (SOUTH)

PANEL CR3C - 20'-0" x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-46

APPROVED FOR FABRICATION BY FOR PONYA DATE 7/31/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

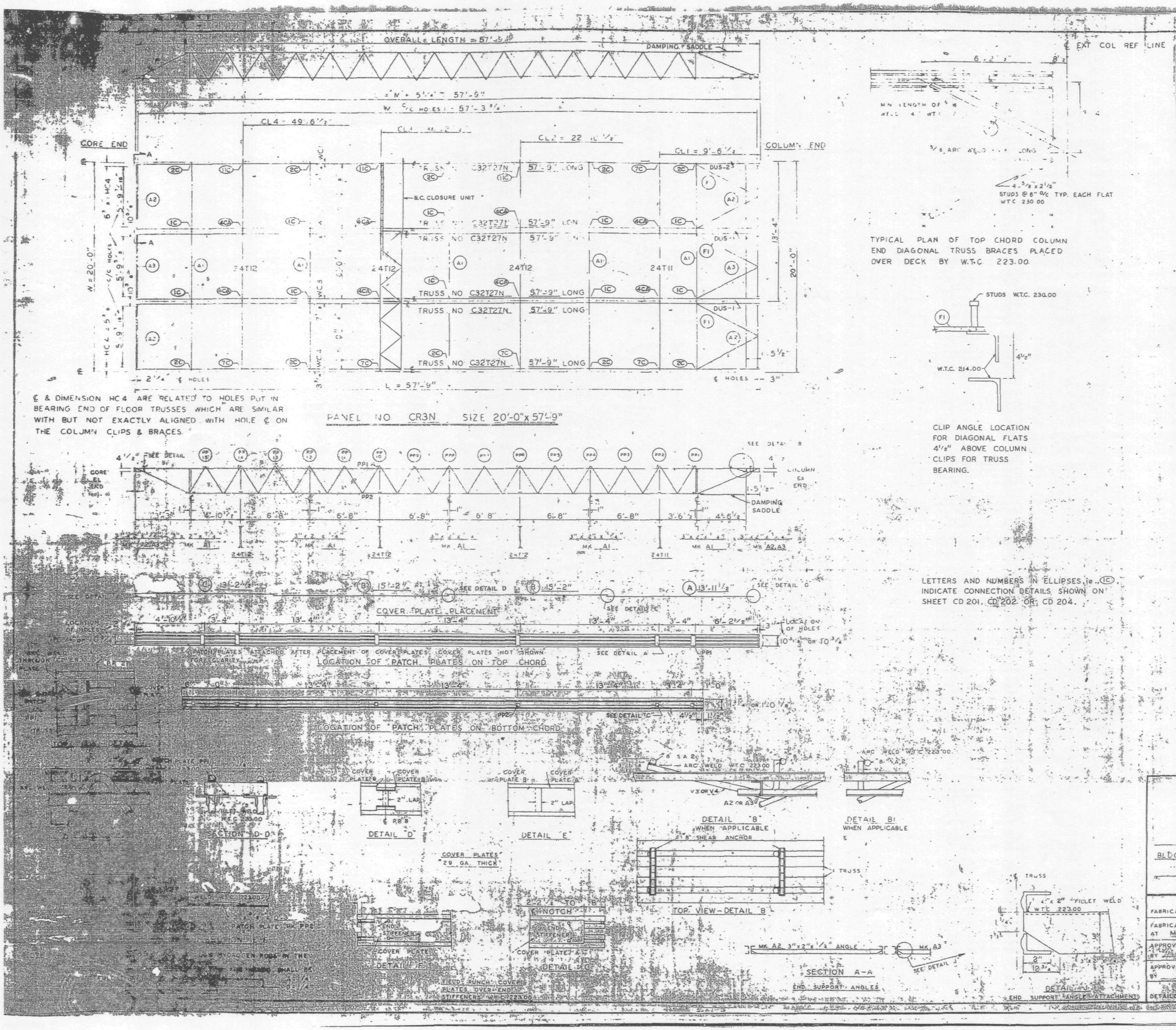
CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY R. C. WEBER

FABRICATION CONT. NO. WTC 221

SHEET NO FP-CR3C



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T27N	6	C32T27-N 57'-9"	ST27N
BRIDGING TRUSSES	T		24T [illegible]	[illegible]
	T2	3	24T 2 - 9' 11"	BT [illegible]
[illegible] ANGLE	A1	5	3 x 2 x [illegible] x 19'-[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A	2	[illegible]	ST 403
[illegible]	F	5	[illegible] x 5-8	ST 402
PATCH PLATES	PP1	18	[illegible] 9	ST 400
	PP2	16	[illegible] 3"	ST 400
COVER PLATES	A	3	9 x 0.35 x 3-11 1/2	ST303
	B	6	9 x 0.35 x 15'-2"	ST303
	C	3	9 x 0.35 x 3-2 1/2	ST303
ANGLE CLIPS	C1	21	2 x 1 1/2 x 1/4 x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2 x 3 1/2 x 3/8" x 3-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1 1/2" x 1 1/4" x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-46	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG B FLOORS 44 (EAST)

PANEL CR3N - 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-46

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 7/3/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE APRIL 28, 1969

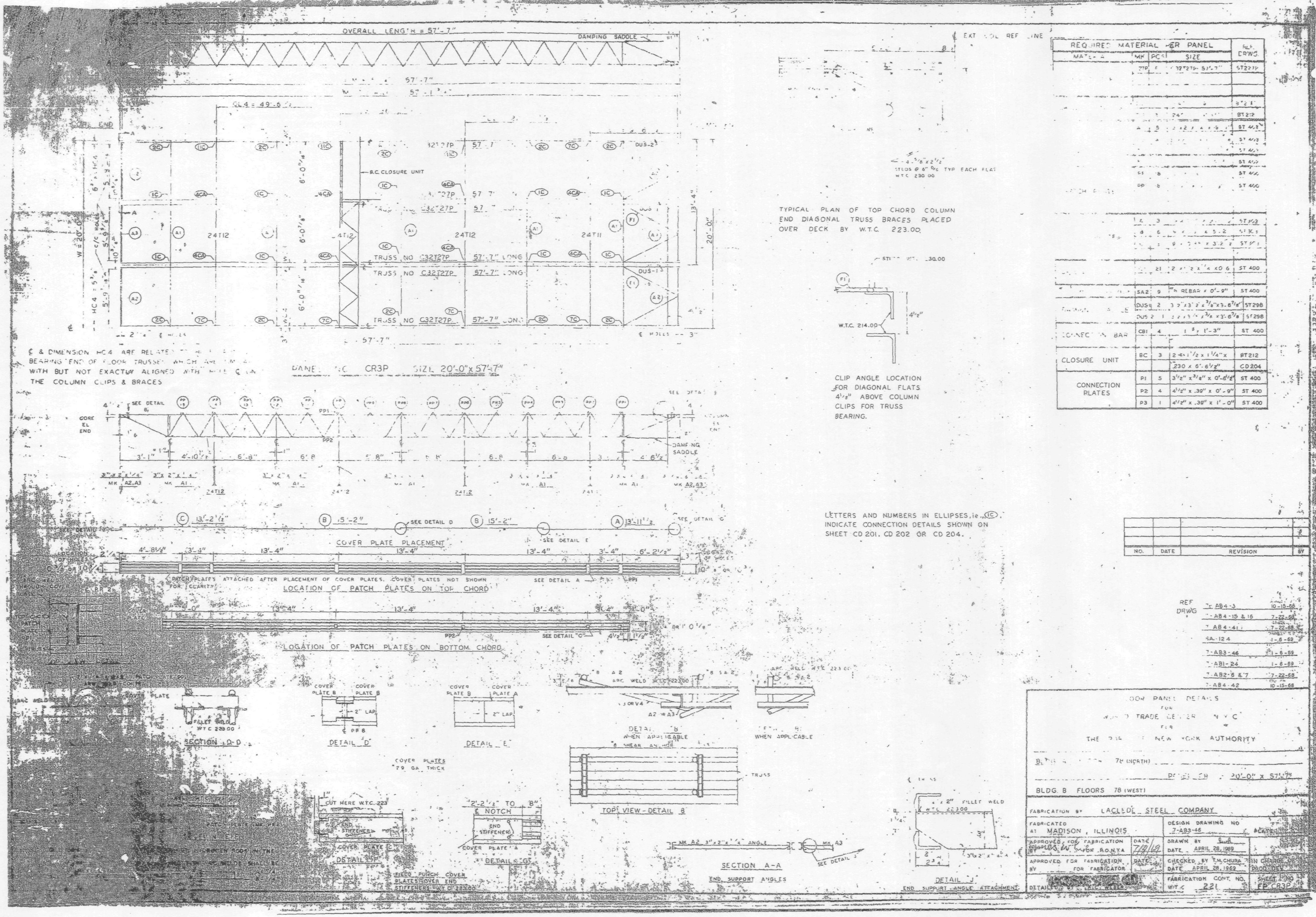
IN CHARGE OF PROD. DEV.

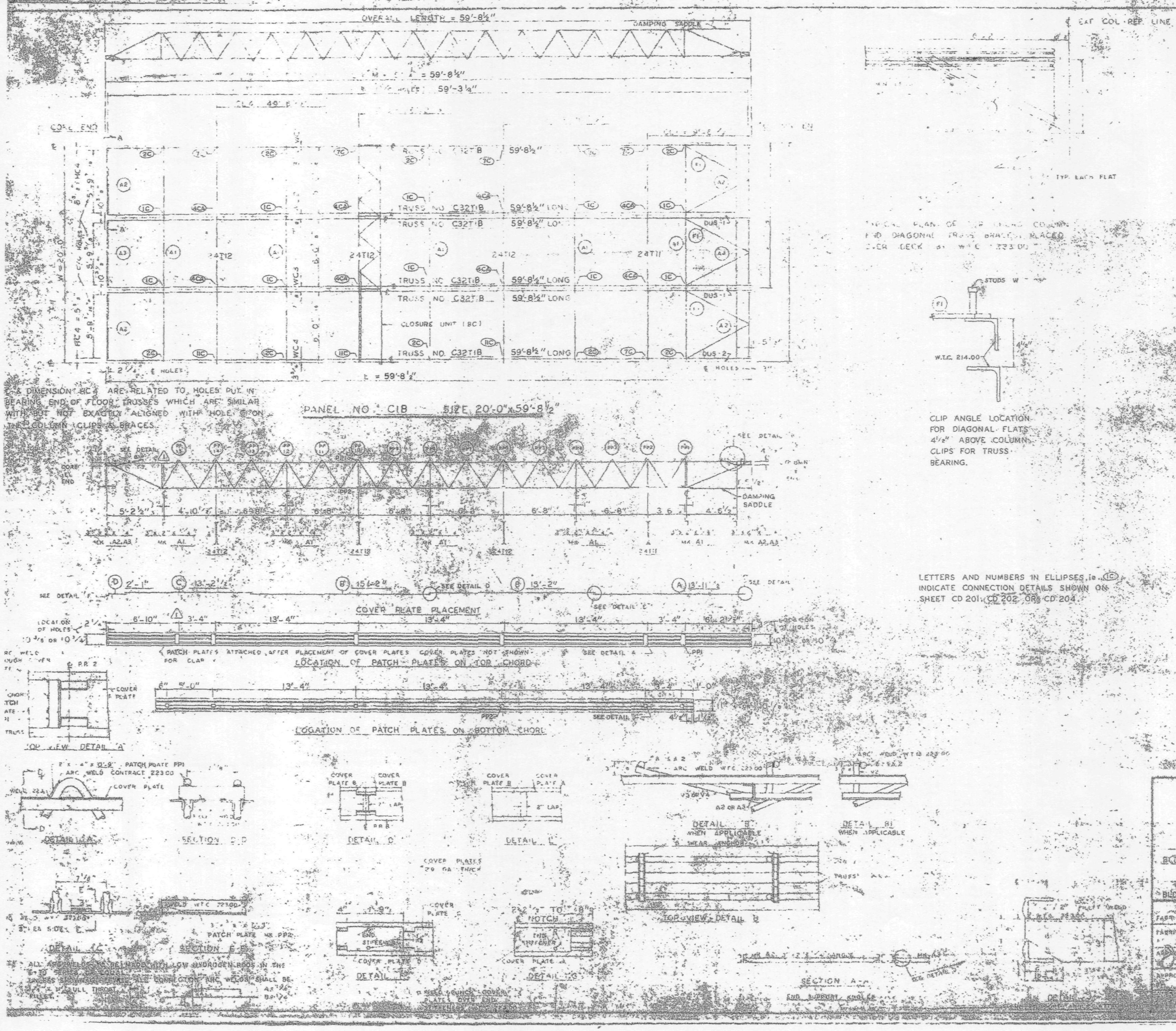
LACLEDE STEEL CO

DETAILED BY A. C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP CR3N


OVERALL LENGTH = 57'-7"
DAMPING SADDLE
EXT COL REF LINE
REQUIRED MATERIAL PER PANEL
SIZE
B.C. CLOSURE UNIT
24T12
24T11
TRUSS NO C32T27P 57'-7" LONG
W = 20'-0"
20'-0"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
SA2 9 REBAR x 0'-9" ST 400
CB1 4 ST 400
BC 3 BT212
230 x 6'-6½" CD204
P1 5 3½" x 3/8" x 0'-6½" ST 400
P2 4 4½" x .39" x 0'-9" ST 400
P3 1 4½" x .39" x 1'-0" ST 400
℄ & DIMENSION HC4 ARE RELATED TO BEARING END OF FLOOR TRUSSES WHICH ARE ALIGNED WITH BUT NOT EXACTLY ALIGNED WITH THE COLUMN CLIPS & BRACES
PANEL NO CR3P SIZE 20'-0" x 57'-7"
CORE EL END
DAMPING SADDLE
3'-1" 4'-10½" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 4'-6½"
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
NO. DATE REVISION BY
SEE DETAIL D
SEE DETAIL E
SEE DETAIL C
COVER PLATE PLACEMENT
4'-8½" 3'-4" 13'-4" 13'-4" 13'-4" 3'-4" 6'-2½"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
SEE DETAIL A
LOCATION OF PATCH PLATES ON TOP CHORD
13'-4" 13'-4" 13'-4"
SEE DETAIL "C"
LOCATION OF PATCH PLATES ON BOTTOM CHORD
REF DRWG
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7-AB4-41 7-22-68
SA-12 4 1-6-69
7-AB3-46 1-6-69
7-AB1-24 1-6-69
7-AB2-6 & 7 7-22-68
7-AB4-42 10-15-68
SECTION D-D
FILLET WELD W.T.C. 223.00
COVER PLATE B
COVER PLATE A
2" LAP
DETAIL "D"
DETAIL "E"
COVER PLATES 7.9 GA. THICK
DETAIL "B" WHEN APPLICABLE
WHEN APPLICABLE
TOP VIEW - DETAIL B
TRUSS
CUT HERE W.T.C. 223
END STIFFENER
COVER PLATE "C"
DETAIL "F"
2'-2½" TO ℄ NOTCH
COVER PLATE "A"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C 223.00
MK A2 3" x 2" x ¼" ANGLE
MK A3
SEE DETAIL J
SECTION A-A
END SUPPORT ANGLES
FILLET WELD
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER IN N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 78 (WEST)
PANEL CR3P 20'-0" x 57'-7"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-46
APPROVED FOR FABRICATION FOR P.O.N.Y.A
APPROVED FOR FABRICATION BY FOR FABRICATOR
DRAWN BY DATE APRIL 28, 1969
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
FABRICATION CONT. NO. WT-221
SHEET NO FP CR3P



REQUIRED MATERIAL				
MATERIAL	MK	NO.	[illegible]	DWG.
FLOOR TRUSSES	T1B	[illegible]	[illegible]1B 59'-8½"	ST 2[illegible]
BRIDGING TRUSSES	T11	1	24T11-[illegible]	ST 2[illegible]
	T12	3	24T12 - 19'-11"	[illegible]
3×2×¼ ANGLE	A1	[illegible]	[illegible]	[illegible]
	A2	4	3"×2"×¼"×5'-11 [illegible]	ST 403
	A3	2	3"×2"×¼"×[illegible]	ST 403
[illegible]	[illegible]	[illegible]	1½"×[illegible]×3'-6"	ST 402
PATCH PLATES	PP1	18	2"×¼"×0'-9"	ST 400
	PP2	16	3"×[illegible]×0'-3"	ST 400
COVER PLATES	A	3	9"×.0135×13'-[illegible]	[illegible]
	B	6	9"×.0135×15'-2"	[illegible]
	C	3	9"×.0135×13'-2	ST 30[illegible]
	D	3	9"×.0135"×2'-1"	ST 30[illegible]
ANGLE CLIPS	C1	21	2"×2½"×¼"×0-6	ST 400
#5 SHEAR ANCHOR	SA2	12	#5 REBAR × 2'-0"	ST [illegible]
DAMPING SADDLE	DUS-1	2	3½"×3½"×[illegible]	[illegible]
	DUS-2	1	3½"×3½"×[illegible]	ST [illegible]
CONNECTION BAR	CB1	4	1"#×1'-3"	ST 400
CLOSURE UNIT	BC	3	2.4×1½×[illegible]	ST 2[illegible]
			[illegible]	[illegible]
CONNECTION PLATES	P1	3	[illegible]	[illegible]
	P2	4	[illegible]×0'-2[illegible]	ST 400
	P3	1	[illegible]×1'-0"	ST 4[illegible]

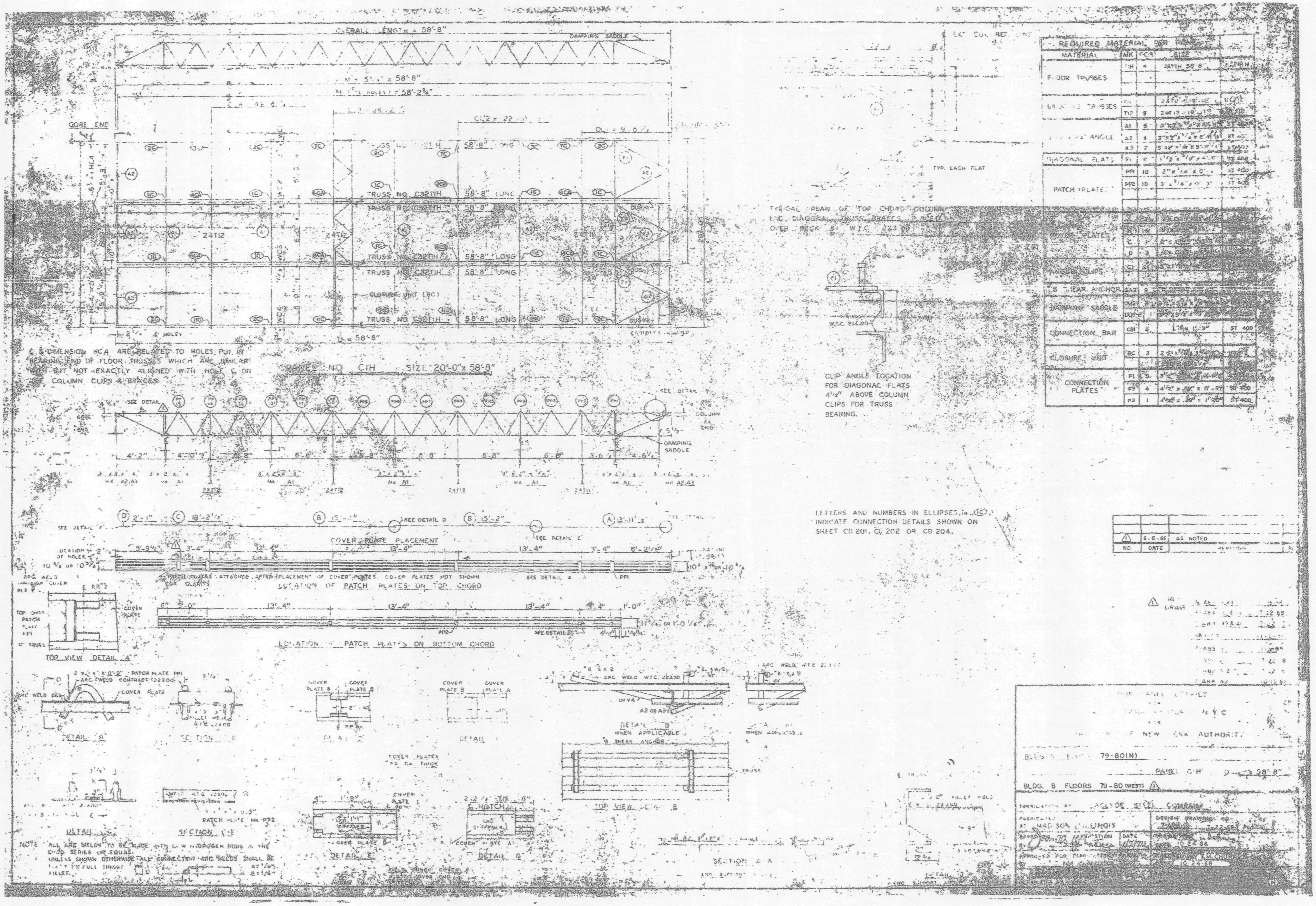
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.

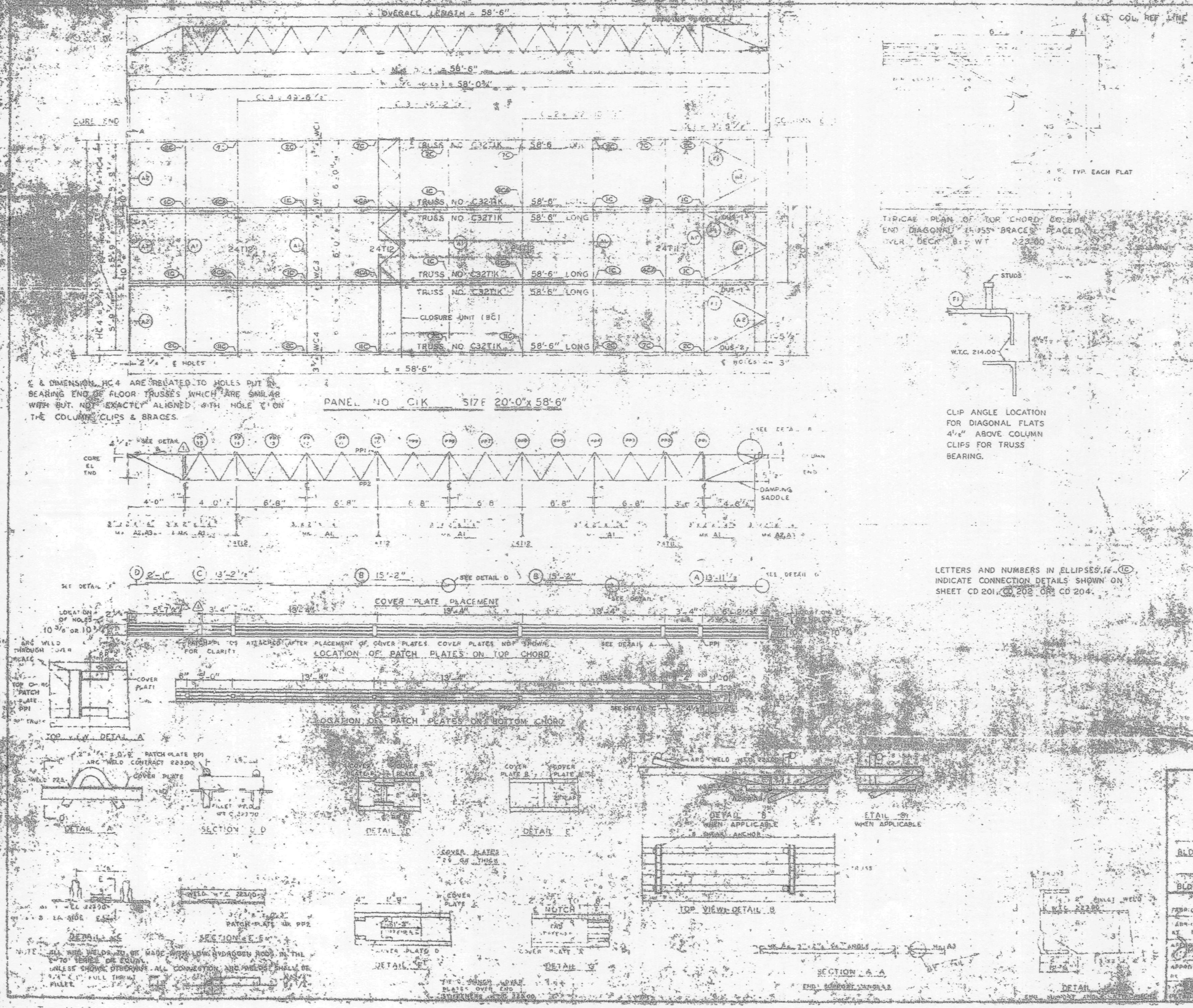
NO.	DATE	REVISION
1	8-5-69	AS NOTED

1 REF DRWG

NOTES: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS. IN THE [illegible] TRUSSES ALL CONNECTION ARC WELDS SHALL BE [illegible] FULL THROAT [illegible]

FLOOR PANEL DETAILS
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 83-91, 93-106 (N)
BLDG. B FLOORS 83-91, 93-106
FABRICATION BY LACLEDE STEEL [illegible]
FABRICATED: MADISON, ILLINOIS
10-24-68
APPROVED FOR FABRICATION
10-24-68


OVERALL LENGTH = 58'-8"
DAMPING SADDLE
CORE END
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
DIAGONAL FLATS
PATCH PLATES
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END, DIAGONAL TRUSS BRACES PLACED OVER DECK B, W.T.C. 223.00
TRUSS NO. C32T1H 58'-8" LONG
CLOSURE UNIT (BC)
24T12
PANEL NO. C1H SIZE 20'-0" x 58'-8"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
W.T.C. 214.00
DAMPING SADDLE
COVER PLATE PLACEMENT
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
6-6-68 AS NOTED
NO. DATE REVISION
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "B"
WHEN APPLICABLE
TOP VIEW DETAIL "B"
NEW YORK AUTHORITY
BLDG. B FLOORS 79-80(N)
PANEL C1H 20'-0" x 58'-8"
BLDG. B FLOORS 79-80 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
SECTION E-E
DETAIL E
DETAIL G
SECTION A-A
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FULL THROAT FILLET.



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES, I.E. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION AND WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	SPEC
FLOOR TRUSSES	T1K	6	C32T1K 58'-6"	[illegible]
BRIDGING TRUSSES	T11	1	24T11 [illegible]	[illegible]
	T12	3	24T12 - 19'-11"	ST 2[illegible]
3" x 2" x 1/4" ANGLE	A1	[illegible]	3" x 2" x 1/4" x [illegible]	ST 4[illegible]
	A2	4	3" x 2" x 1/4" x 5'-[illegible]	ST 403
	A3	2	3" x 2" x 1/4" x [illegible]	ST [illegible]
DIAGONAL FLATS	F1	8	[illegible]	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-[illegible]	ST 400
COVER PLATES	A	[illegible]	9" x 0.135" x 13'-11 1/2"	ST [illegible]
	B	[illegible]	9" x 0.135" x 15'-2"	ST [illegible]
	C	3	9" x 0.135" x 13'-2 1/2"	ST [illegible]
	D	3	9" x 0.135" x 2'-1"	ST [illegible]
ANGLE CLIPS	G1	21	3" x 1 1/2" x 1/4" x 0'-6"	ST 400
#5 SHEAR ANCHOR	SA2	9	#5 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST [illegible]
	DUS-2	1	3 1/2 x 3 1/2" x 3/8" x 3'-6 7/8"	[illegible] 259
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x 1 1/4" x	ST 212
			230 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-6-69	AS NOTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45(S), 46(N&S)

PANEL [illegible] 58'-6"

BLDG. B FLOORS 45(EAST) 46(EAST & WEST)

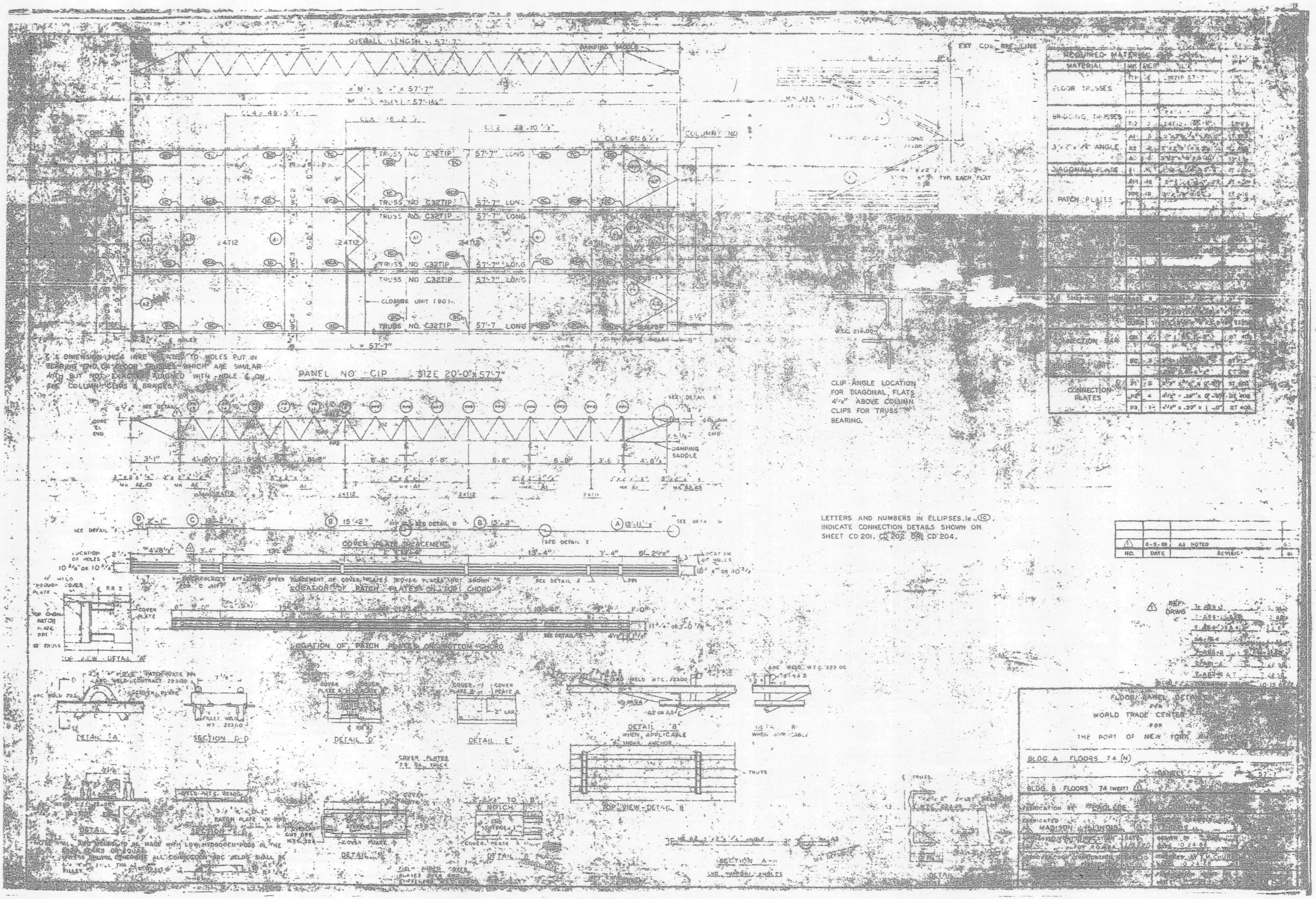
FABRICATION BY: LACLEDE STEEL COMPANY

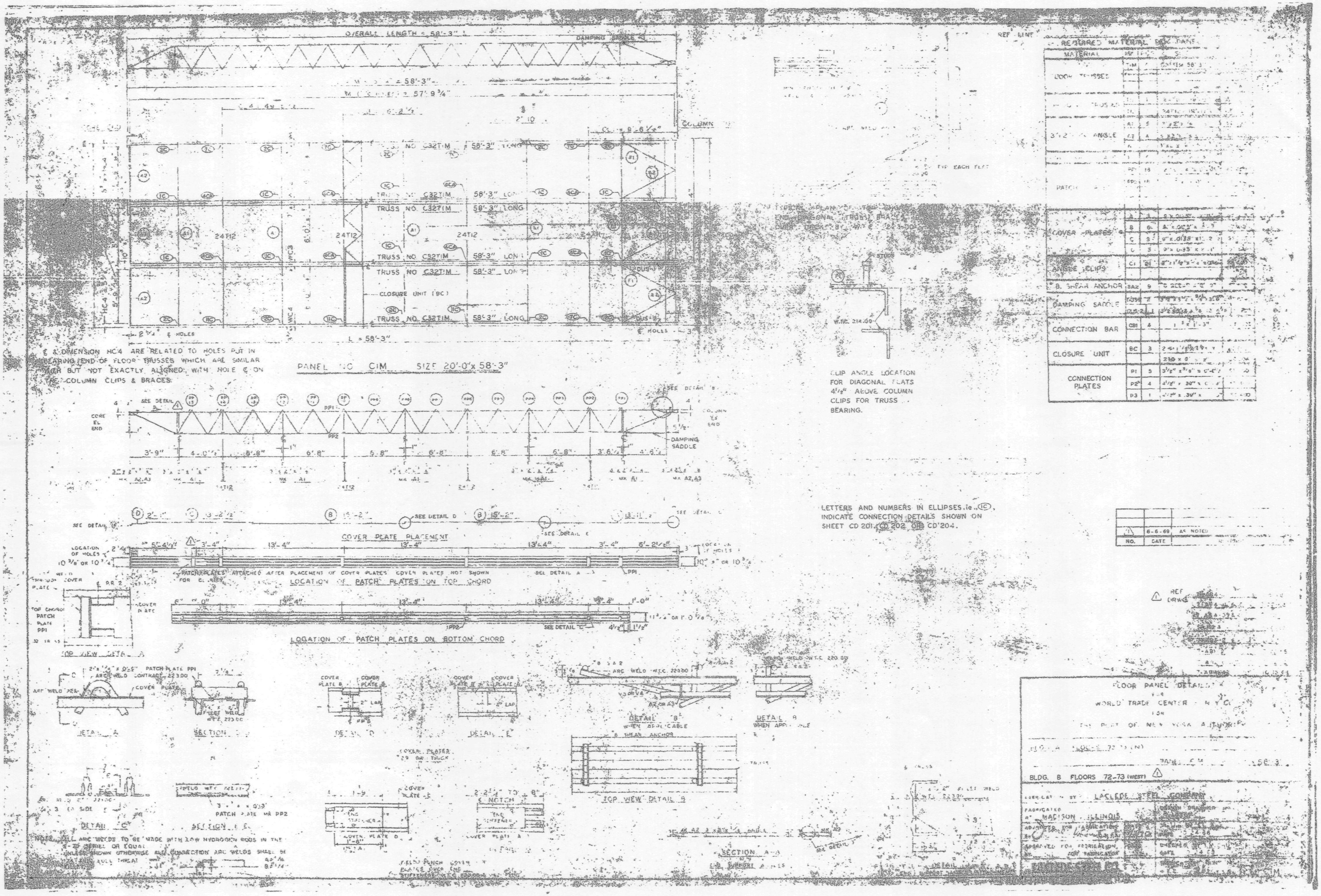
FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-A83-7

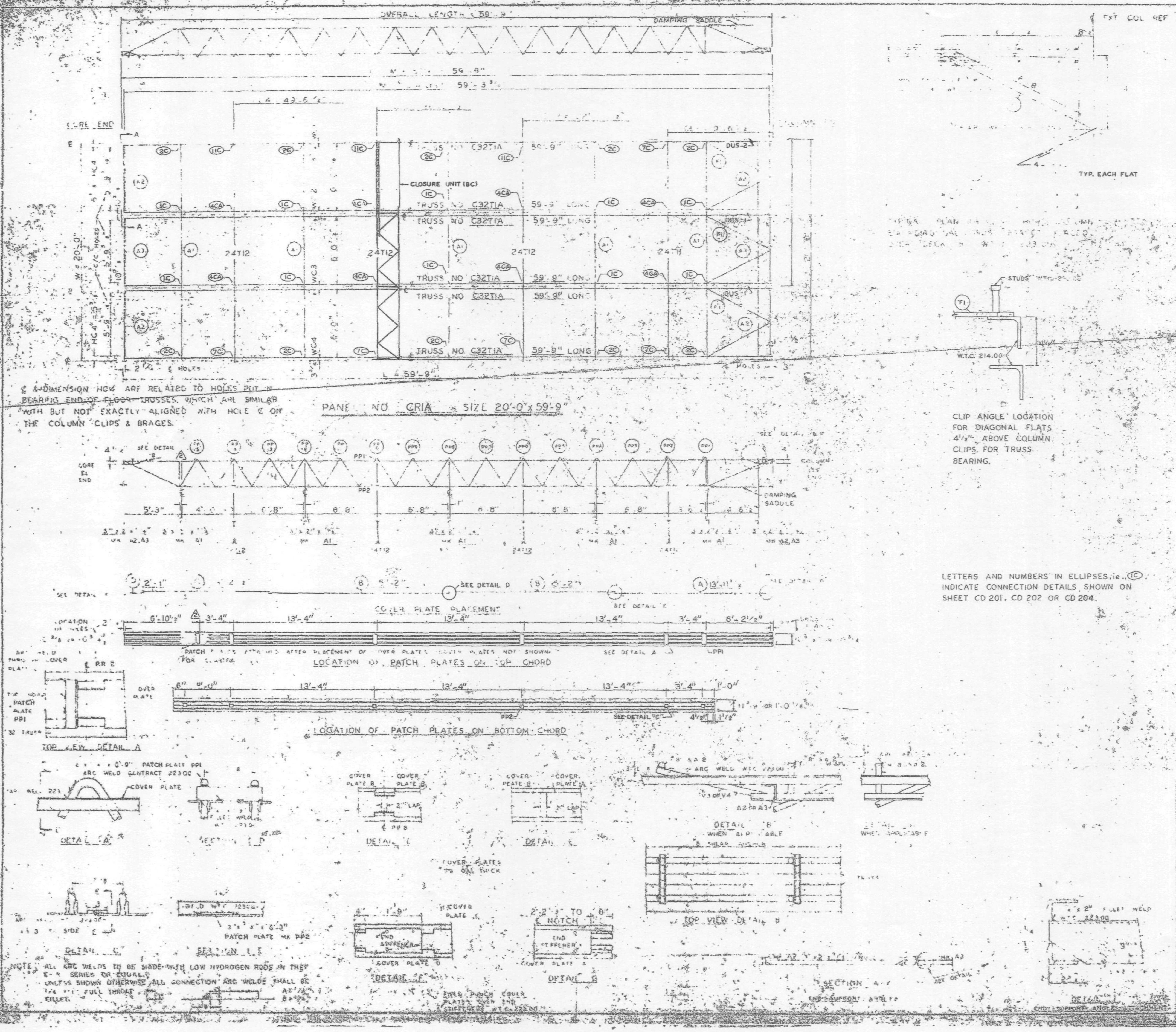
DRAWN BY [illegible] DATE 10-24-68

CHECKED BY T.M. CHURCH DATE 10-24-68


OVERALL LENGTH = 57'-7"
DAMPING SADDLE
EXT COL REF LINE
REQUIRED MATERIAL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATE
PATCH PLATES
CONNECTION BAR
CONNECTION PLATES
COLUMN END
CORE END
TRUSS NO C32T1P 57'-7" LONG
CLOSURE UNIT (BC)
L = 57'-7"
PANEL NO C1P SIZE 20'-0" x 57'-7"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, ie (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL A
DETAIL A
SECTION D-D
DETAIL D
DETAIL E
DETAIL B WHEN APPLICABLE
TOP VIEW - DETAIL B
SECTION A-A
NO. DATE REVISION
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)



OVERALL LENGTH = 58'-3"
DAMPING SADDLE
COLUMN
TRUSS NO. C32T1M 58'-3" LONG
24T12
CLOSURE UNIT (8C)
L = 58'-3"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON COLUMN CLIPS & BRACES.
PANEL NO. C1M SIZE 20'-0" x 58'-3"
SEE DETAIL A
SEE DETAIL B
DAMPING SADDLE
COVER PLATE PLACEMENT
SEE DETAIL D
SEE DETAIL E
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SEE DETAIL C
TOP VIEW DETAIL A
DETAIL A
SECTION
DETAIL D
DETAIL E
DETAIL B WHEN APPLICABLE
SHEAR ANCHOR
TOP VIEW DETAIL B
DETAIL C
SECTION E-E
PATCH PLATE MK PP2
SECTION A-A
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE
REQUIRED MATERIAL PER PANEL
MATERIAL
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
1 6-6-69 AS NOTED
NO. DATE
REF DRWGS
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 72-73 (WEST)
LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-7 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9	ST204
[illegible]	T11	1	24T[illegible] 19'[illegible]	BT21
	T12	3	24T12 - 19'[illegible]	BT212
[illegible] ANGLE	A1	5	3"x2"x[illegible]4 x 19'-11"	ST 403
	A2	4	3"x2"x1/4 x 5'[illegible]	ST 403
	A3	2	3"x2"x[illegible]	ST 403
[illegible]	F1	5	[illegible] x 6'-8	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9	ST 400
	PP2	18	[illegible] -3"	ST 400
COVER PLATES	A	3	9"x 0.135 x [illegible]	ST303
	B	6	9" x 0135" x 5'-2"	[illegible]303
	C	3	9 x 0135" x [illegible]2 1/2"	ST303
	D	3	9 x 0135" x 2'-1"	ST303
ANGLE CLIPS	[illegible]	21	2"x1 1/2"x 1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-8 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3' 8 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1 1/2" x 1 1/4" x	BT212
			.230 x 8'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1' 0"	ST 400

NO.	DATE	REVISION	BY
2	6-6-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.

REF. DRWS.

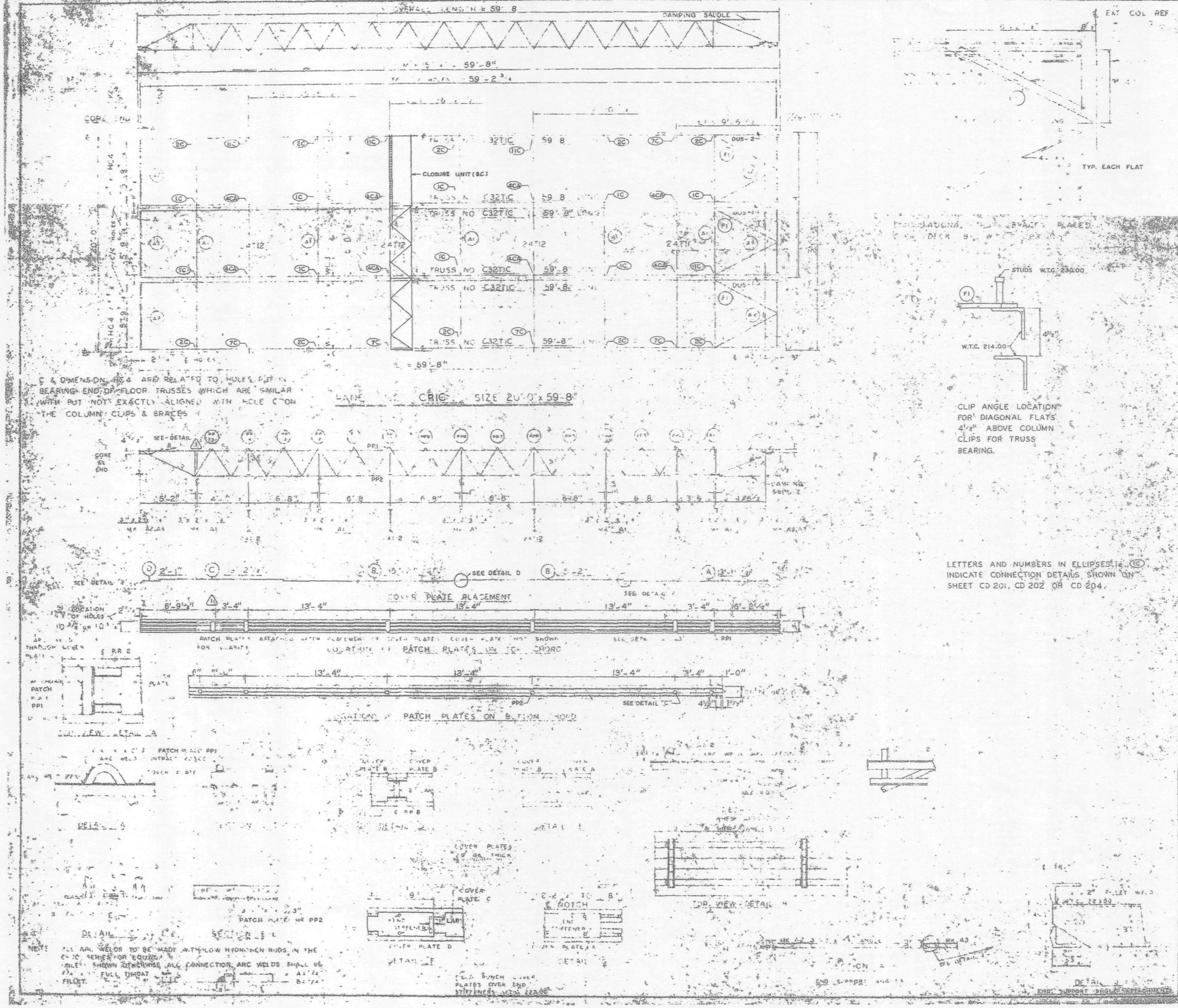
7-AB4-2	10-15-68
7-AB4-1 & 6	7-22-68
7-AB4-4	7-22-68
SA-124	1-6-69
7-AB3-2	1-5-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS [illegible]-24, 26-38 (NORTH & SOUTH) 49-56, 60-66, 68, 69 NORTH PANEL CRIA [illegible] x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

FABRICATION BY [illegible] STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-B 4-1-68
DRAWN BY [illegible] DATE APRIL 10, 1968
CHECKED BY [illegible] DATE APRIL 10, 1968
FABRICATION CONT. NO. W.T.C. 223.00 CRIA



LETTERS AND NUMBERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	1C	6	C32T1C - 59'-8"	ST 20?C
	-			
BRIDGING TRUSSES	T1	1	24T11 - 19'-11"	BT 211
	T12	3	24T12 - 19'-11"	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-6"	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x [illegible] x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 16'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 12'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	8C	3	2 - ∠s 1 1/2" x 1 1/4" x	BT 212
			290 x 8'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	8-9-69	AS NOTED	G.D.

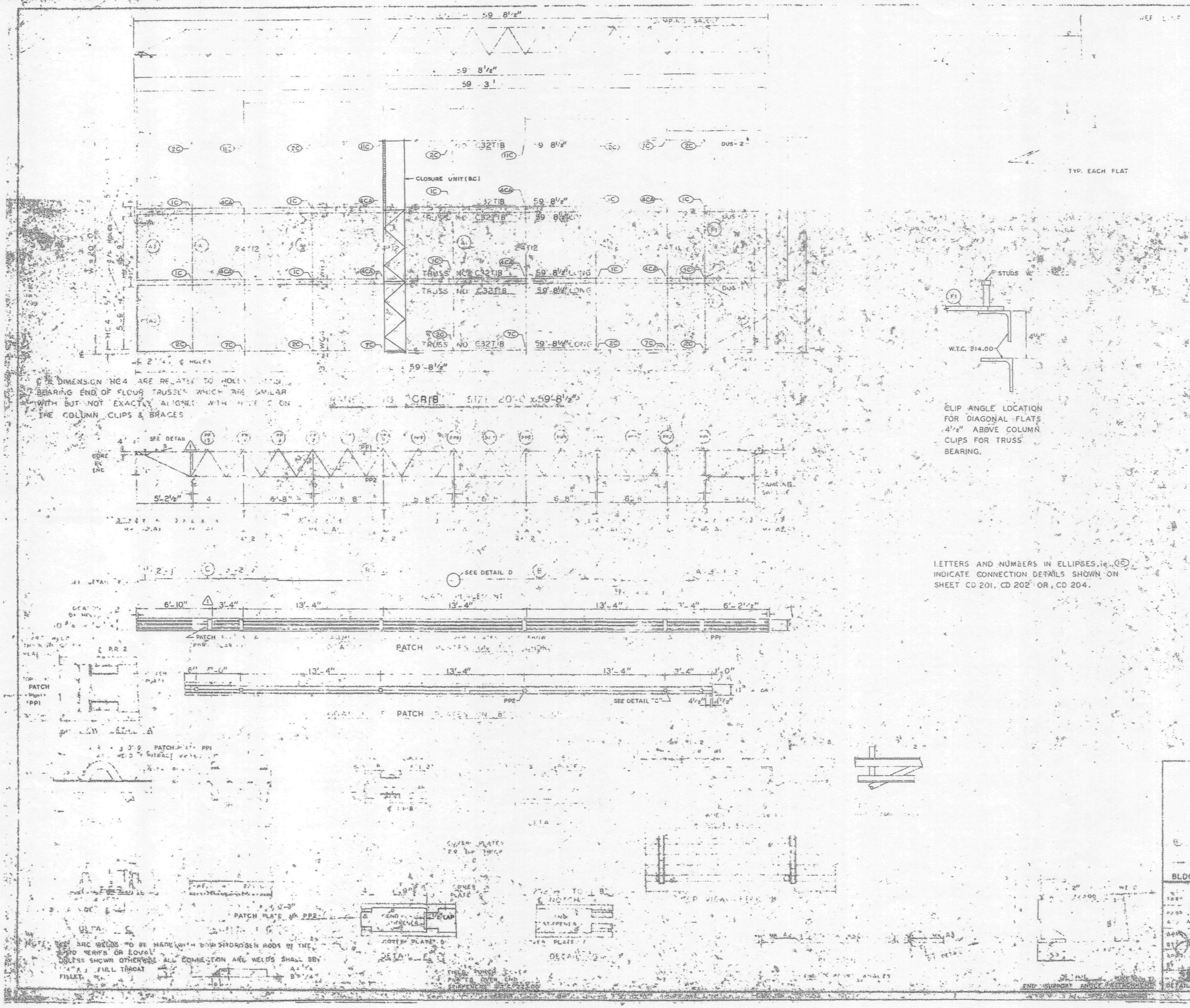
REF DRWG

7-AB4-3	10-15-68
7-AB4-15,16 & 39	7-22-68
7-AB4-41	7-22-68
SA-12A	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 49-58, 60-66, 68-74, 79-91 & 93-106
PANEL CRIC - 20'-0"
BLDG. B FLOORS 49-58, 60-74, 79-91 & 93-106

FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-B
APPROVED FOR FABRICATION BY [illegible] DATE [illegible]
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY [illegible] DATE [illegible]
CHECKED BY T.M.CHUR DATE OCT 23, 1968



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
	B	[illegible]	C32T1B - 59'-8 1/2"	ST 201B
		1	[illegible]	BT 211
	T12	3	24T12 - 19'-11"	BT 212
ANGLE	A1	5	3 x 2 x 1/4 x 19'-1"	ST 403
	A2	4	3 x 2 x 1/4 x 5'-11 1/8	ST 403
	A3	[illegible]	[illegible]	ST 403
	[illegible]	[illegible]	[illegible] 6-8	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-... 1/2	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE - CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE - UNIT	BC	3	2 ... 1 1/2 x 1 1/4 x	BT 212
			.230 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

1 REF. DWGS.	
7-AB4-3	10-15-68
... 15,16	7-22-68
... 41	7-22-68
SA ... 24	1-6-69
7-AB3-2	1-3-68
7-AB3-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

... PANEL DETAILS

WORLD TRADE CENTER ... N.Y.C.

... PORT ... AUTHORITY

B... 83-91 & 93-106 (N)

PANEL CRIB ... x 59'-8 1/2"

BLDG. B FLOORS 83-91 & 93-106 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

... MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

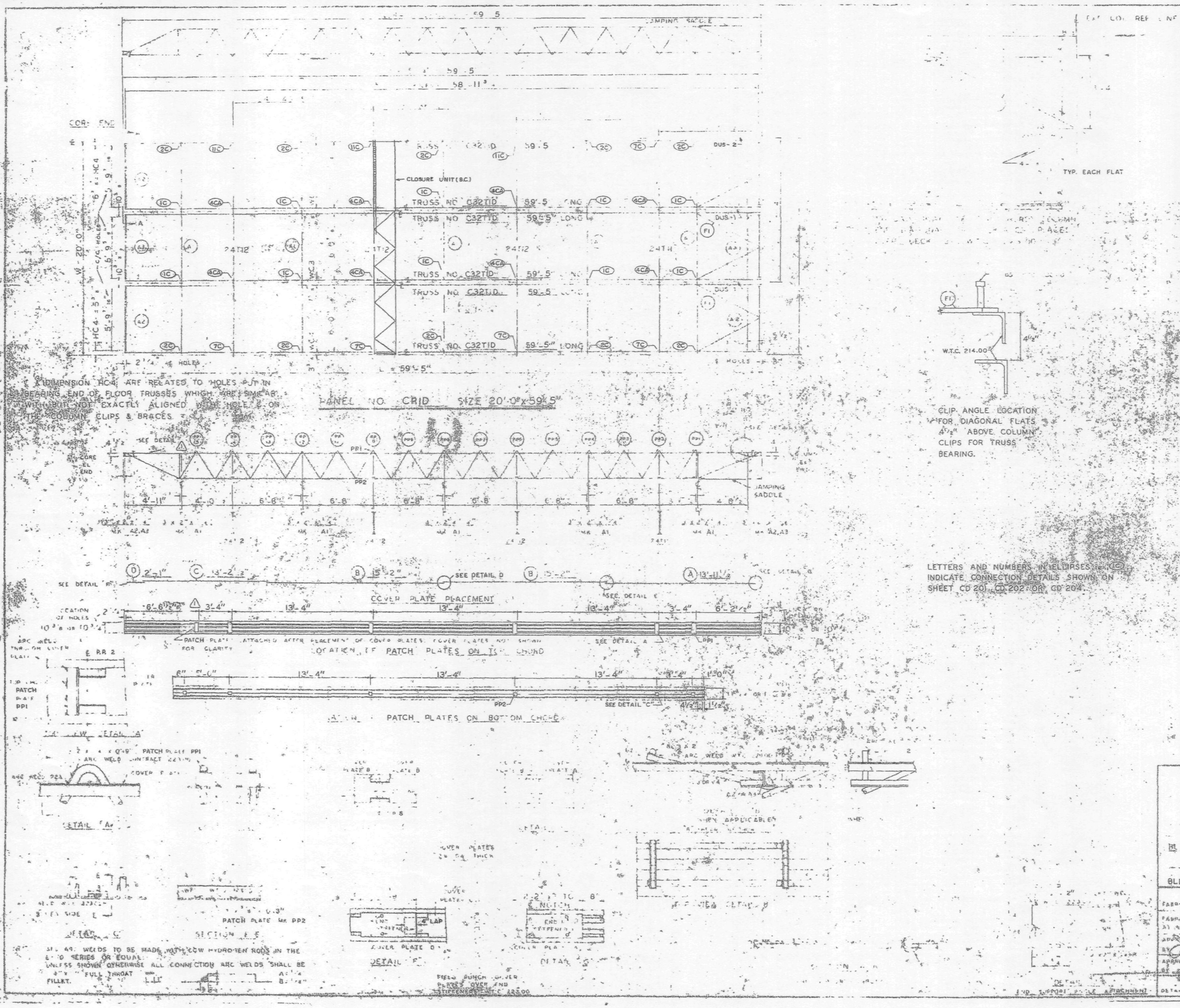
APPROVED FOR FABRICATION BY ... DATE ...

DRAWN BY ... DATE OCT 23, 1968

APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE ...

CHECKED BY T.M. CHUR... DATE OCT 23, 1968

DETAILED ...



DIMENSION "HC4" ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE "C" ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES (e.g. 1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 3/16" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
[FLOOR] TRUSSES	D	6	C32T1D - 59'-5"	ST201D
[illegible]		1	24T11 - 19'-11"	BT211
	T-2	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
[DIAGONAL FLATS]	F1	6	1 1/2"x1/8"x5'-8"	ST 402
PATCH PLATES	PP1	18	2"x1/4"x0'-9	ST 400
	PP2	18	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	3	9"x.0135"x13'-11 1/2"	ST303
	B	6	9"x.0135"x15'-2"	ST303
	C	3	9"x.0135"x13'-2 1/2"	ST303
	D	3	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-6	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/16"	[illegible]
	DUS2	1	[illegible]	[illegible]
CONNECTION BAR	CB1	[illegible]	[illegible]	ST 400
CLOSURE UNIT	BC	3	[illegible]	[illegible]
			.230 x 6'-8 1/2"	
CONNECTION PLATES	P1	5	3 1/2"x[illegible]	ST 400
	P2	4	4 1/2"x.30"x0'-9"	ST 400
	P3	1	4 1/2"x.30"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.

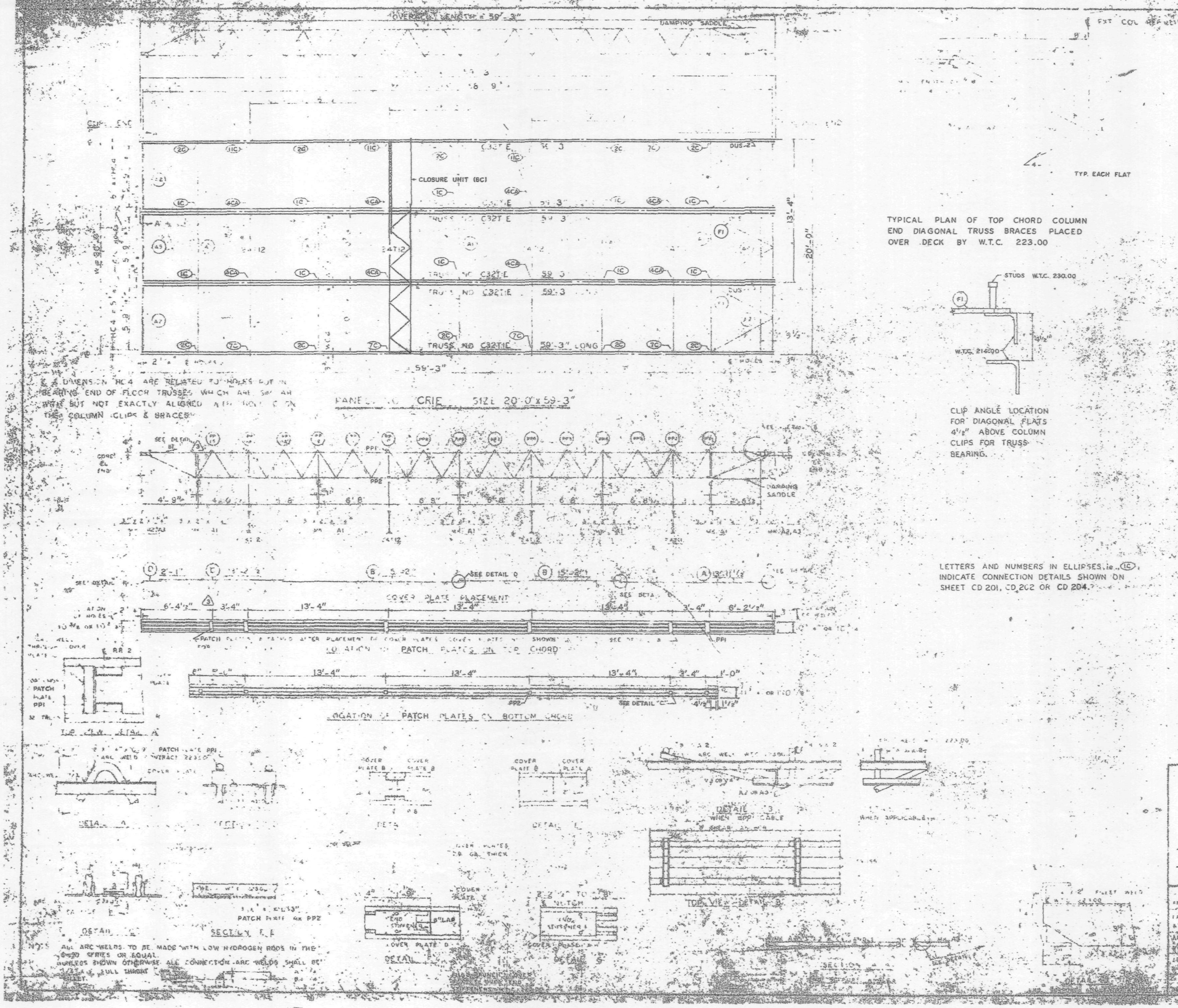
REF. DRWGS

7-AB4-[illegible]	10-15-68
7-AB4-5,18 & 39	7-22-68
7-AB4-4[illegible]	7-22-68
SA-12A	11-6-69
7-AB3-[illegible]	[illegible]-68
7-AB1-[illegible]	7-22-68
7-AB2-3 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
THE P... OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (N)
PANEL CRID 20'-0"
BLDG. B FLOORS 81-82 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NOS. 7-AB3-8
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.
DRAWN BY [illegible] DATE OCT. 23, 1968
CHECKED BY T.M. CHURCH DATE OCT. 23, 1968
DETAILED BY [illegible]
FABRICATION CONT. NO. [illegible]
SHEET CRID



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

DIMENSION "HC4" ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR BUT NOT EXACTLY ALIGNED WITH HOLES IN THE COLUMN CLIPS & BRACES.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	REF. DWG.
FLOOR TRUSSES	[illegible] E	[illegible]	[illegible]T E - 59'-3"	[illegible] E
BRIDGING TRUSSES	[illegible]	[illegible]	24T[illegible]	[illegible]
	T12	3	24T12 [illegible]	BT2[illegible]
3 × 2 ½ ANGLE	A1	3	3 × 2½ × [illegible]	ST 4[illegible]
	A2	4	[illegible]	ST 403
	A[illegible]	[illegible]	[illegible]	ST 403
DIAGONAL PLATES	F	8	[illegible]	ST 407
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	9 × .335 × [illegible]	[illegible]
	C	3	9 × 0.335 × [illegible]	[illegible]
	[illegible]	3	9 × 0.335 × 2'-1"	[illegible]
ANGLE CLIPS	C[illegible]	24	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR × 0'-9"	ST 400
DAMPING SADDLE	DUS-[illegible]	[illegible]	[illegible]	ST 208
	DUS-2	1	3½ × 3½ × [illegible]	ST 208
CONNECTION BAR	CB1	4	[illegible] × 1'-3"	ST 400
CLOSURE UNIT	8C	3	[illegible]	ST 212
			230 × 8'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" × [illegible] × 0'-8½"	ST 400
	P2	4	4½" × .39" × 0'-9"	ST 400
	P3	1	4½" × .39" × 1'-0"	ST 400

NO.	DATE	REVISION
3	8-9-68	AS NOTED
2	10-18-68	MAT'L LIST
1	7-17-68	GENERAL

NOTES: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE [illegible] FULL THROAT [illegible]

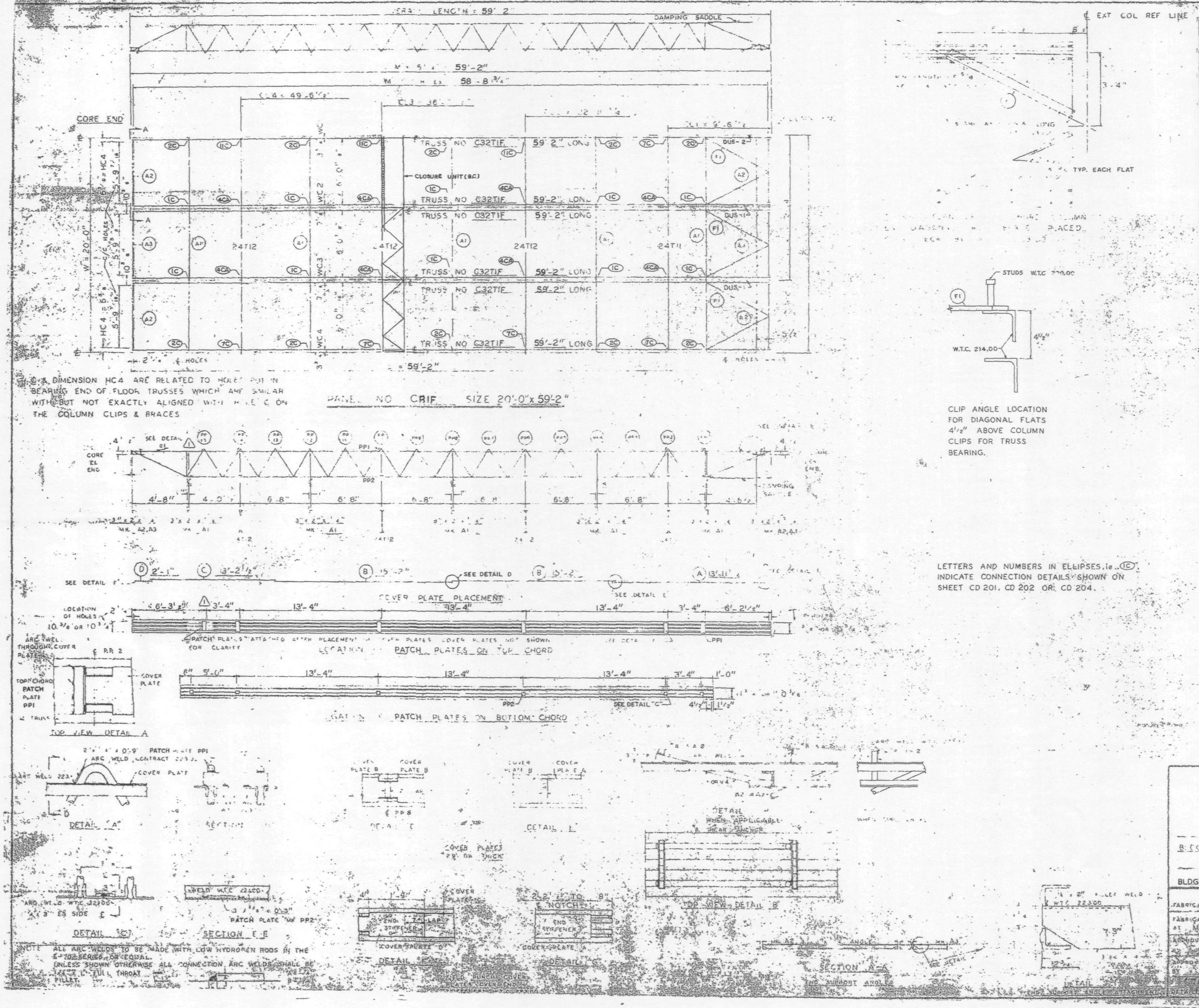
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y. FOR PORT OF NEW YORK AUTHORITY

10-11 (SOUTH)

PANEL CRIE

FABRICATED BY LACLEDE STEEL COMPANY

MADISON, ILLINOIS



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	6	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 3/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x .4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135" x 13'-11 1/2"	ST303
	B	6	9"x .0135" x 15'-2"	ST303
	C	3	9"x .0135" x 13'-2 1/2"	ST303
	D	3	9"x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	[illegible]
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	[illegible]
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2"x 1 1/4"x .230 x 5'-6 1/8"	BT212, CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-9-69	AS NOTED

REF. DRWG:
7-AB4-3
7-AB4-15,16 & 39
7-AB4-41
SA-124
7-AB3-2
7-AB1-2 — 7-22
AB2-5 & 7 — 7-22
7-AB4-42

PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48 (S) 47-48, 70-71 (N)

PANEL CRIF 20'

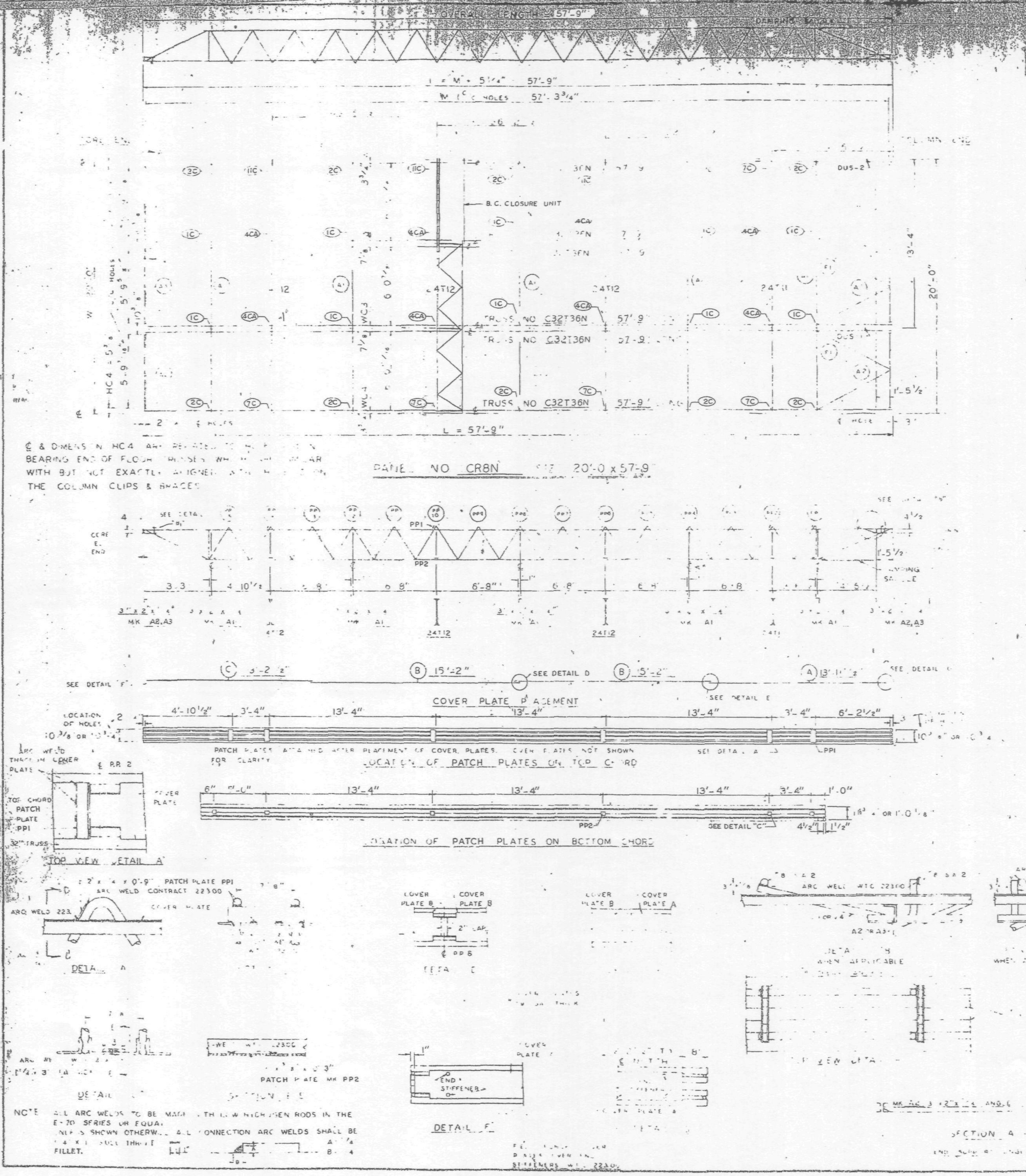
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

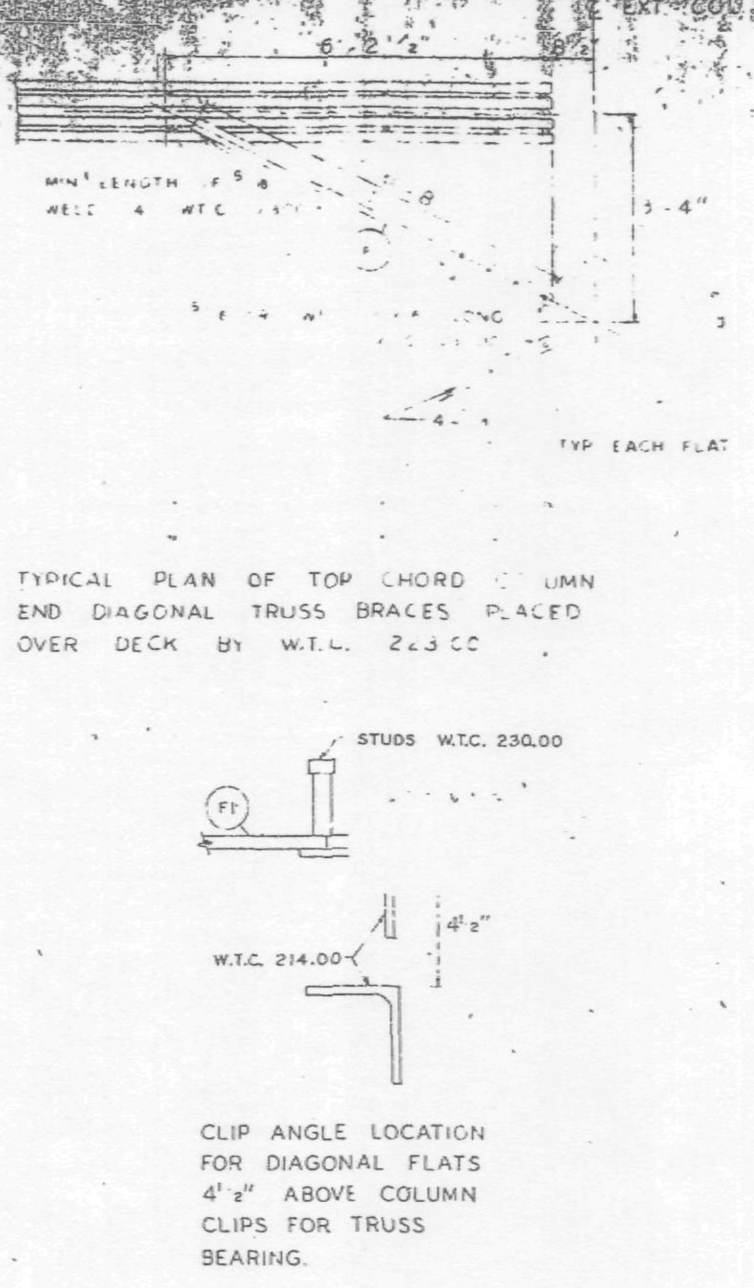
FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY ... FOR P.O.N.Y.A. | DATE OCT 23, 1968

APPROVED FOR FABRICATION BY ... FOR FABRICATOR | CHECKED BY T.M.C. DATE OCT 23



℄ & DIMENS IN HC4 ARE RELATED TO ... BEARING END OF FLOOR TRUSSES WHICH ... WITH BUT NOT EXACTLY ALIGNED WITH ... THE COLUMN CLIPS & BRACES



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]	6	[illegible]	[illegible]
BRIDGING TRUSSES	T11	1	24 [illegible] 19'-11"	BT211
	T12	3	24. 2 19'-11"	BT212
3×2"×¼" ANGLE	A1	5	3"×2"×¼"×19'-1"	ST 403
	A2	4	[illegible] ¼"×5'-11"	ST 403
	A3	2	[illegible] ¼"×5 1¾"	ST 403
DIAGONAL [illegible]	F	5	[illegible] × 5'-8	ST 402
PATCH PLATES	PP1	8	[illegible] 9	ST 400
	PP2	8	[illegible]	ST 400
COVER PLATES	[illegible]	3	[illegible]	ST 303
	[illegible]	5	[illegible]	ST 303
	C	3	9 × .0135"×13'-2½"	ST 303
ANGLE CLIPS	[illegible]	21	2 × ½"×¼"×0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#6 REBAR × 0'-9"	ST 400
DAMPING SADDLE	[illegible]	2	3½"×3½"×⅜"×3'-6⅞"	ST 298
	[illegible]	[illegible]	[illegible] ½"×⅜"×3' 6⅞"	ST 298
CONNECTION BAR	CBL	4	[illegible] × 1'-3"	ST 400
CLOSURE UNIT ⚠1	BC	3	1¼" D TUBE ×6'-6½"	BT 212
				CD 204
CONNECTION PLATES	P1	5	3½" × ⅜" × 0'-6½"	ST 400
	P2	4	4½" × .39" × 0'-9"	ST 400
	P3	1	4½" × .39" × 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

1	4-24-69	AS NOTED	G.D.C.
NO.	DATE	REVISION	BY

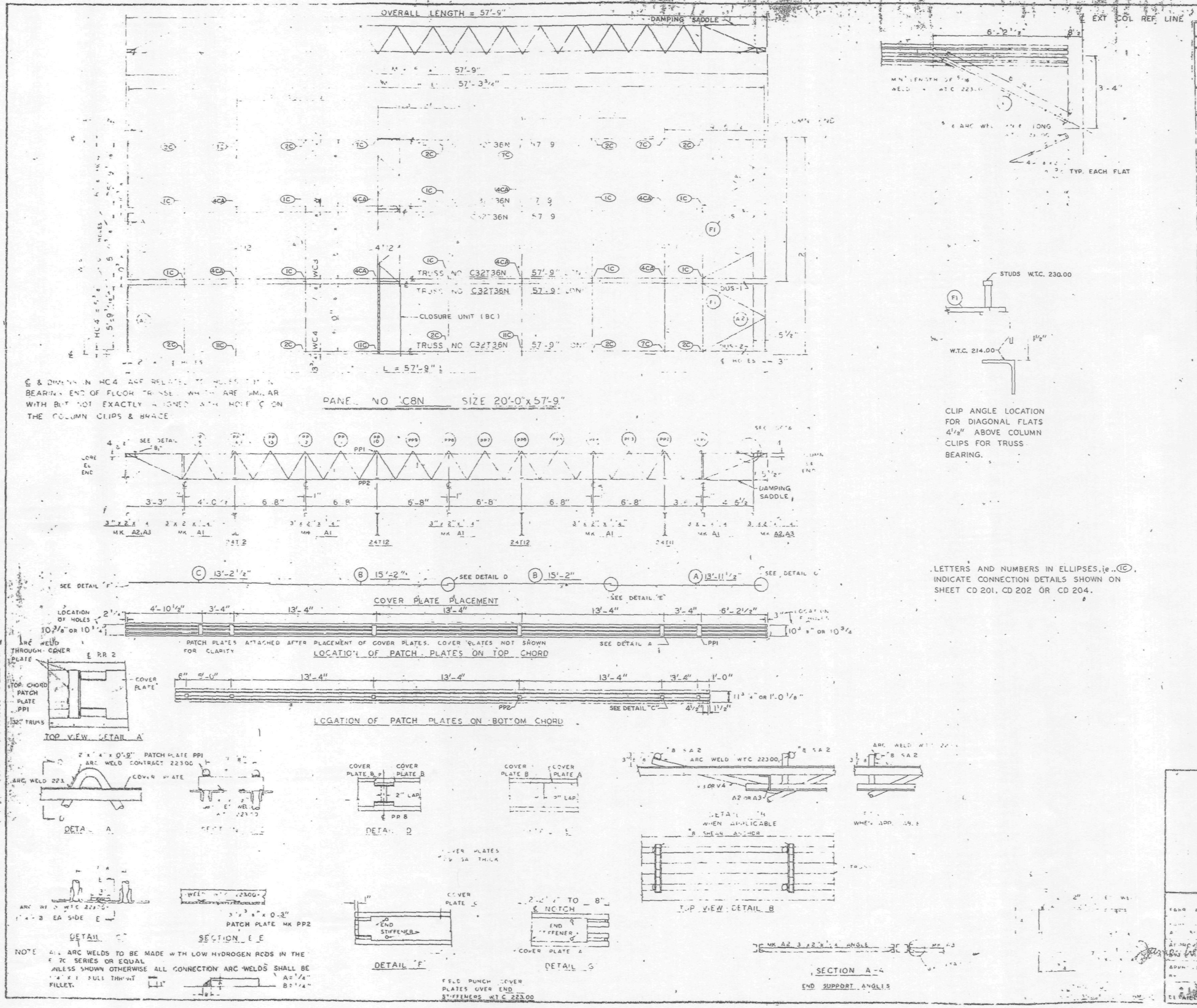
7-AB4-19	12-20-68
	10-15-68
	7-22-68
	7-22-68
	1-6-69
57	1-6-69
32	1-8-69
	7-22-68
42	10-15-68

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ... FILLET.

CR8N ... 7-9"

APPROVED: James White 6/12/69

DRAWN BY T.M. CHIURA, DATE MARCH 31, 1969
CHECKED BY ... DATE MARCH 31, 1969
IN CHARGE OF ... DEV.
FABRICATION CONT. NO. 221
SHEET NO. FP CR8N



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.

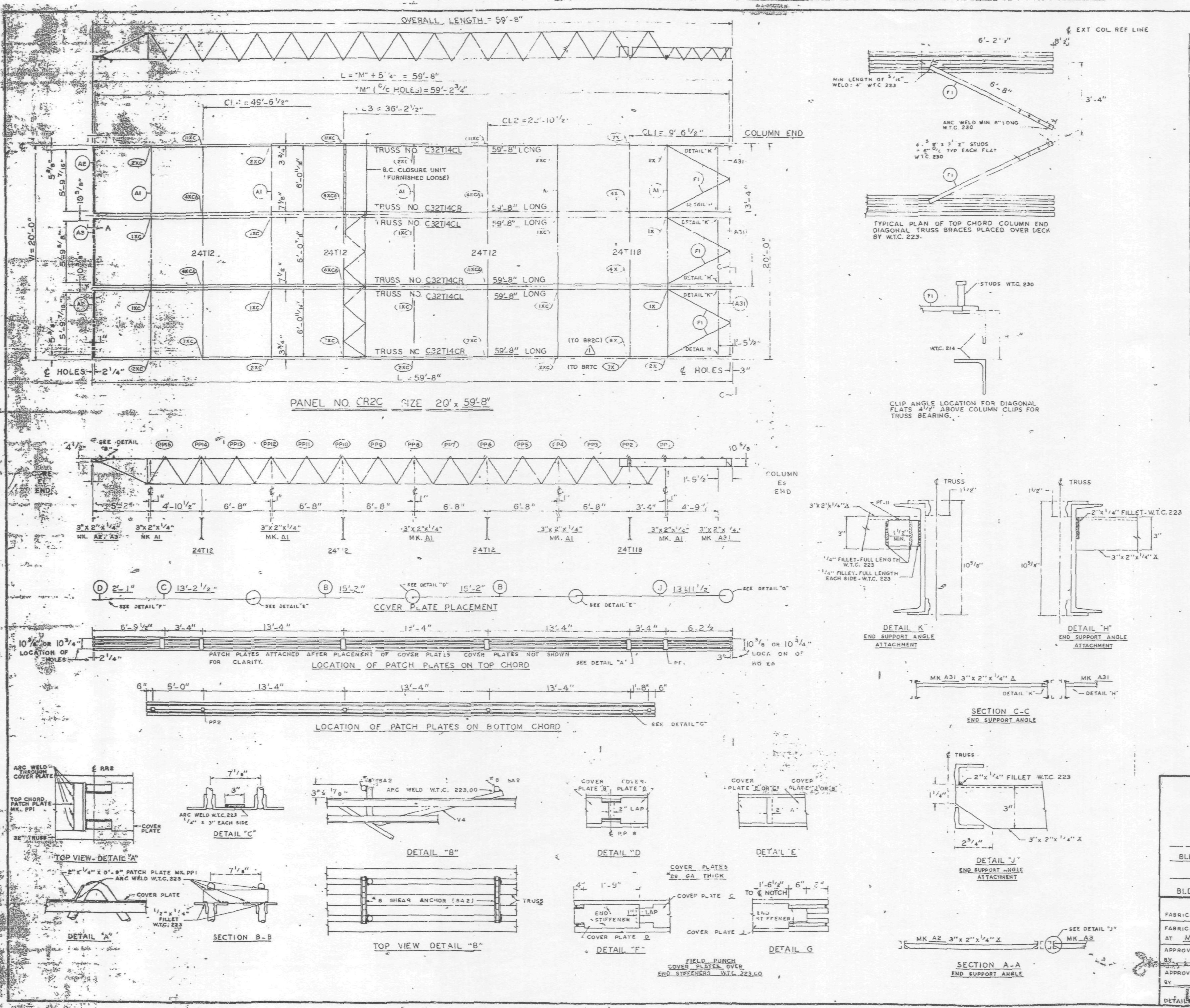
REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T36N	6	...36N ...-9"	ST 236N
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT212
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1		1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	x 3/8" x 0'-3"	ST 400
COVER PLATES				ST 303
			5-2	ST 303
	C	3	3" x .0135" x 13'-2 1/2	ST 303
ANGLE CLIPS	C1	21	2" x 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT ⚠1	BC	3	1 1/4" O.D. TUBE x 6'-6 1/2"	BT 212
				CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	

REF DWGS	
7-AB4-19	12-20-68
7-AB4-1	10-15-68
7-AB4-5 & 6	7-22-68
7-AB4-41	7-22-68
SA 124	1-6-69
7-AB3-56	1-6-69
7-AB1-32	1-6-69
7-AB2-7 & 7	7-22-68
7-AB4-42	10-15-68

44 (SOUTH END)
C8N ... 7-9

DESIGN DRAWING NO 7-593 56 — PLATE 1
DRAWN BY — DATE MARCH 31, 1969
CHECKED BY T.M. CHURA — DATE MARCH 31, 1969 — IN CHARGE OF PROD. DEV.
APPROVED FOR ... DATE 6/11/69
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP C8N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	1	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PL	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	6	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

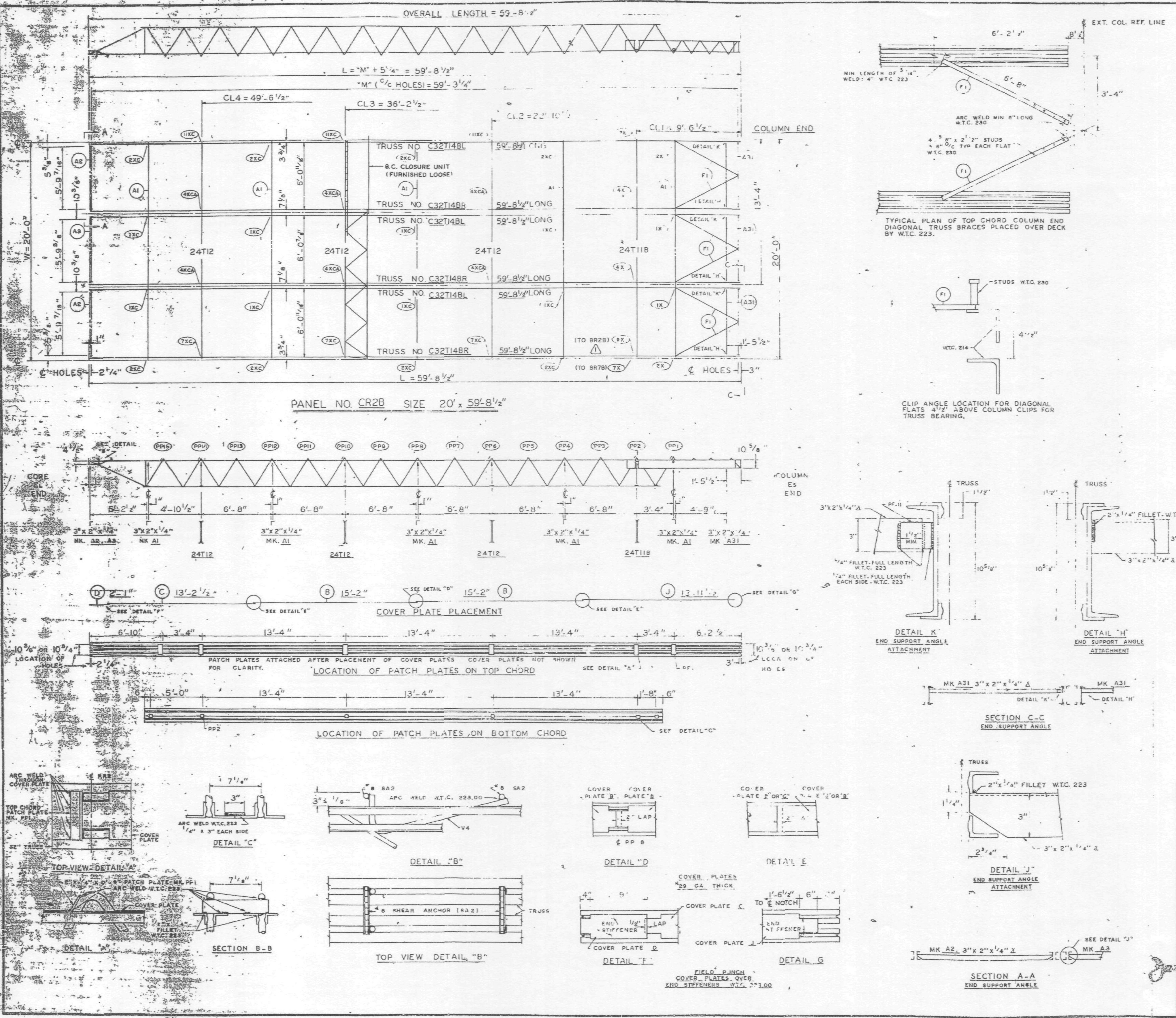
NO.	DATE	REVISION
1	5-12-69	AS NOTED

REF. DRWG.	
7-AB3-29	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

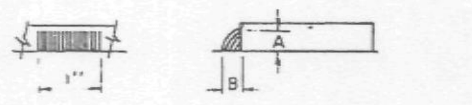
BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL CR2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-29 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [signature] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT NO W.T.C. 221
SHEET NO FP CR2C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	3	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	3	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" ◻ 6'-6 1/2" TUBE	BT 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4" x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x 1 1/2"x .25"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.C

REF. DRWG.

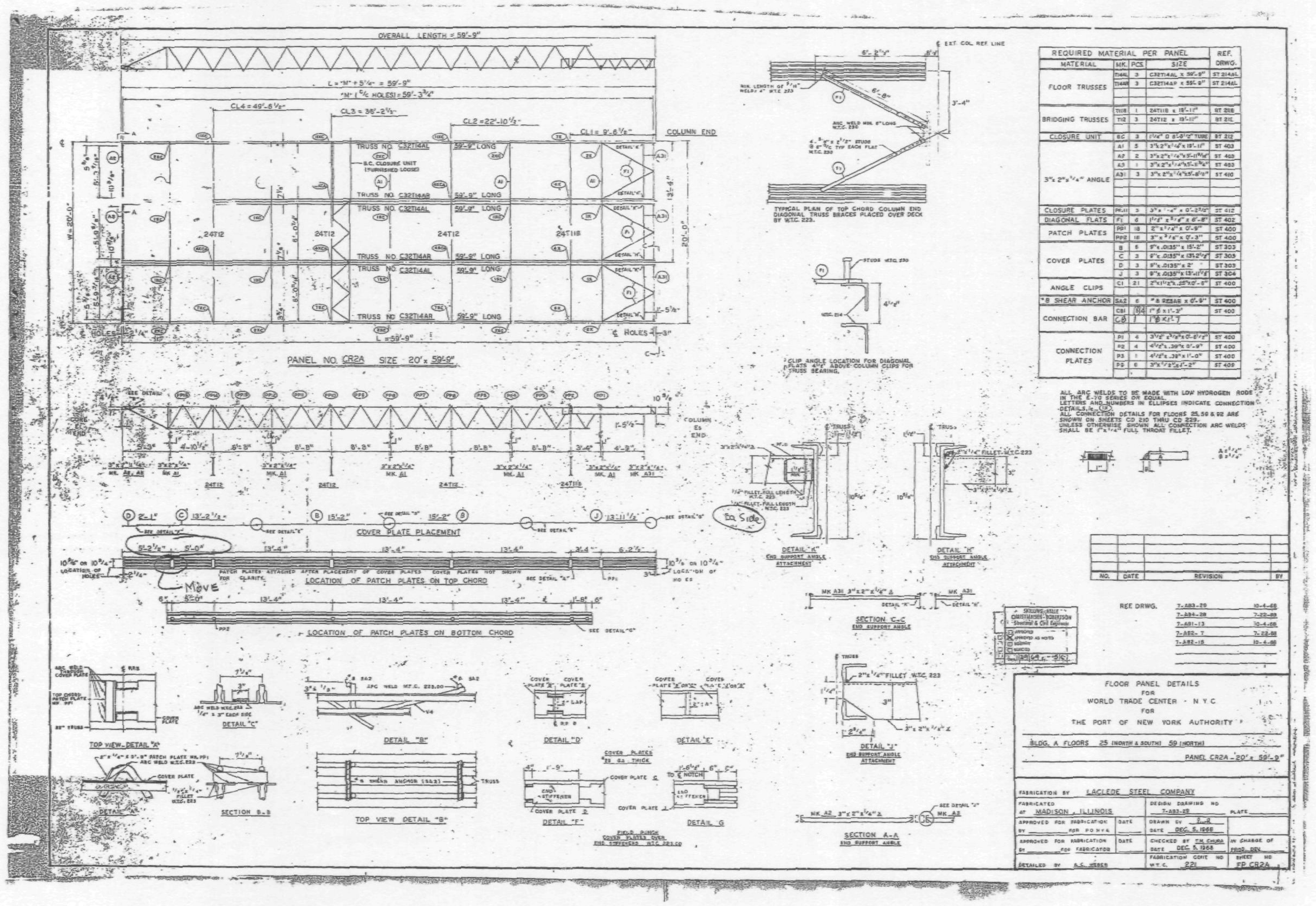
7-AB3-29	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)
PANEL CR2B - 20' x 59'-8 1/2"
BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-29	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A.	DATE 6/6/69	DRAWN BY ____ DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP CR2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	ST 218
	T12	3	24T12 x 19'-11"	ST 21E
CLOSURE UNIT	BC	3	1¼" D 6'-8½" TUBE	ST 212
3" x 2" x ¼" ANGLE	A1	5	3"x2"x¼"x19'-11"	ST 403
	A2	2	3"x2"x¼"x5'-11[illegible]"	ST 403
	A3	1	3"x2"x¼"x5'-[illegible]"	ST 403
	A31	3	3"x2"x¼"x5'-8½"	ST 400
CLOSURE PLATES	PR-11	3	3" x 1'-4" x 0'-2[illegible]"	ST 412
DIAGONAL FLATS	F1	6	1½" x ⅜" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	B	6	9"x.0135"x15'-2"	ST 303
	C	3	9"x.0135"x13'-2½"	ST 303
	D	3	9"x.0135"x2'	ST 303
	J	3	9"x.0135"x13'-11⅞"	ST 304
ANGLE CLIPS	C1	21	2"x1½"x.25"x0'-5"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5 [illegible]	1" ∅ x 1'-3"	ST 400
	CB	1	1" ∅ x 1'-7	
CONNECTION PLATES	P1	4	3½" x ⅜" x 0'-8½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P9	6	3"x½"x1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x ¼" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

7-A83-29	10-4-68
7-A84-28	7-22-68
7-A81-13	10-4-68
7-A82-7	7-22-68
7-A82-15	10-4-68

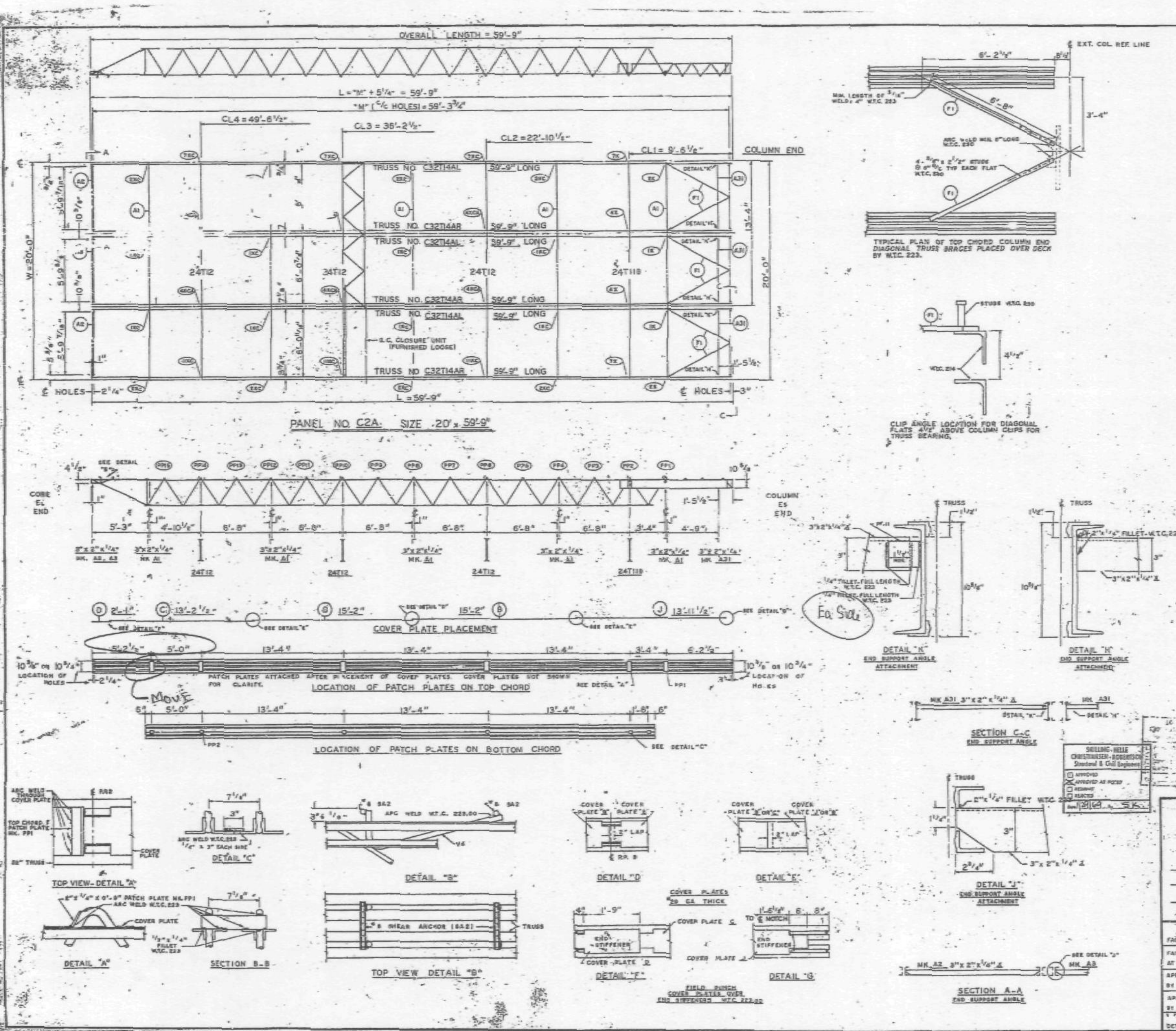
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON
Structural & Civil Engineers
APPROVED
APPROVED AS NOTED
RESUBMIT
REJECTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL CR2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-29 PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE ____
DRAWN BY [illegible] DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE ____
CHECKED BY T.H. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP CR2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	ST 211B
	T12	3	24T12 x 19'-11"	ST 212
CLOSURE UNIT	SC	3	1 1/4" D 6'-6 1/2" TUBE	ST 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 5/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/2"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4" x 0'-2 9/16"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	G	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x 1 1/2"x .25"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	[illegible]	1" ø x 1'-3"	ST 400
	CB	1	1" ø x 1'-7	
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	6	3"x 1/2"x 1'-2"	ST 406

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 50 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.		
	7-A83-28	10-4-68
	7-A84-28	7-22-68
	7-A81-13	10-4-68
	7-A82-7	7-22-68
	7-A82-15	10-4-68

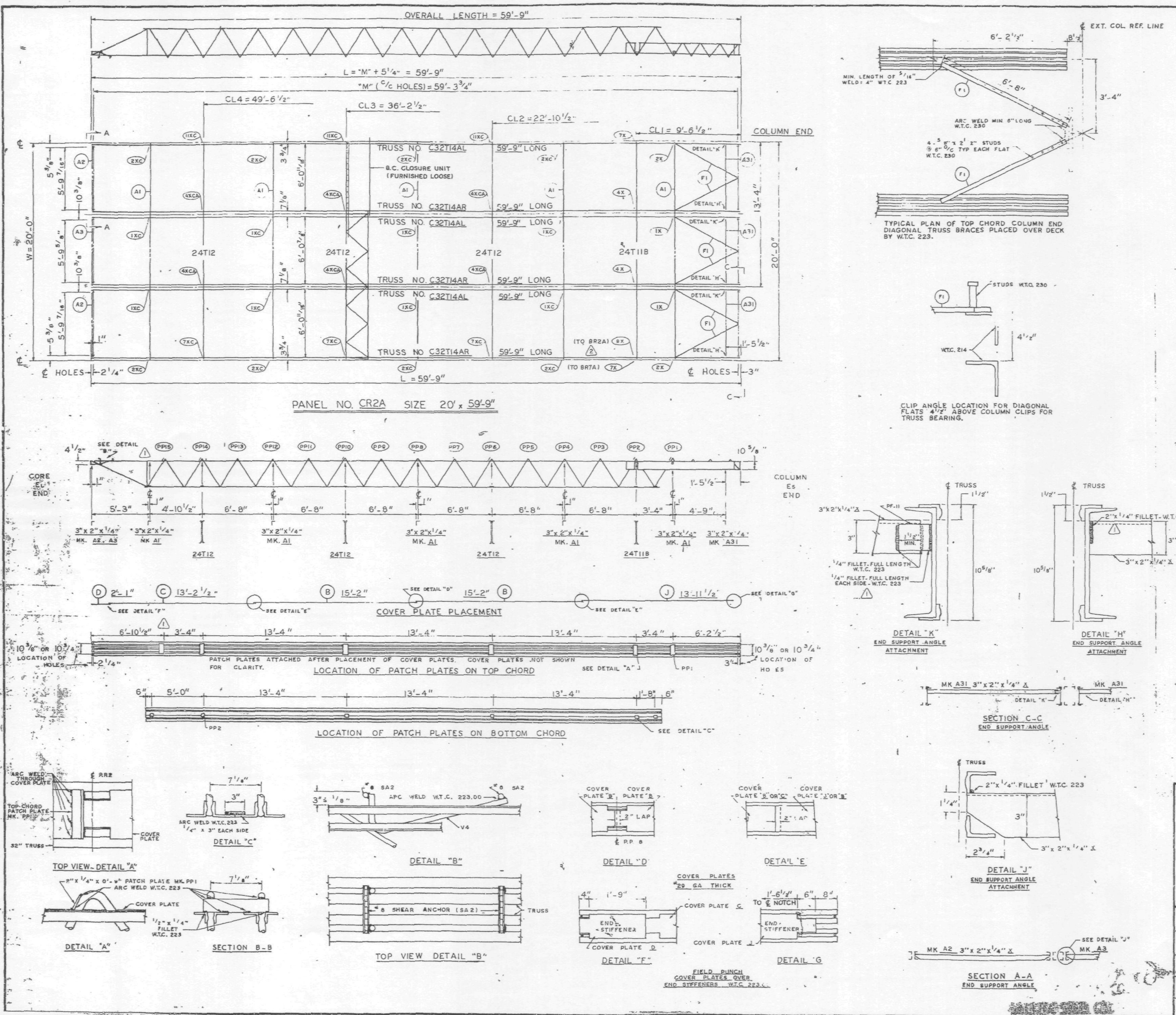
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH)

PANEL C2A -20' x 59'-9"

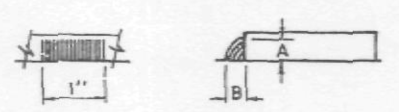
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-28	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.H. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEE
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.
NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-29	10-4-68
7-AB4-26	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

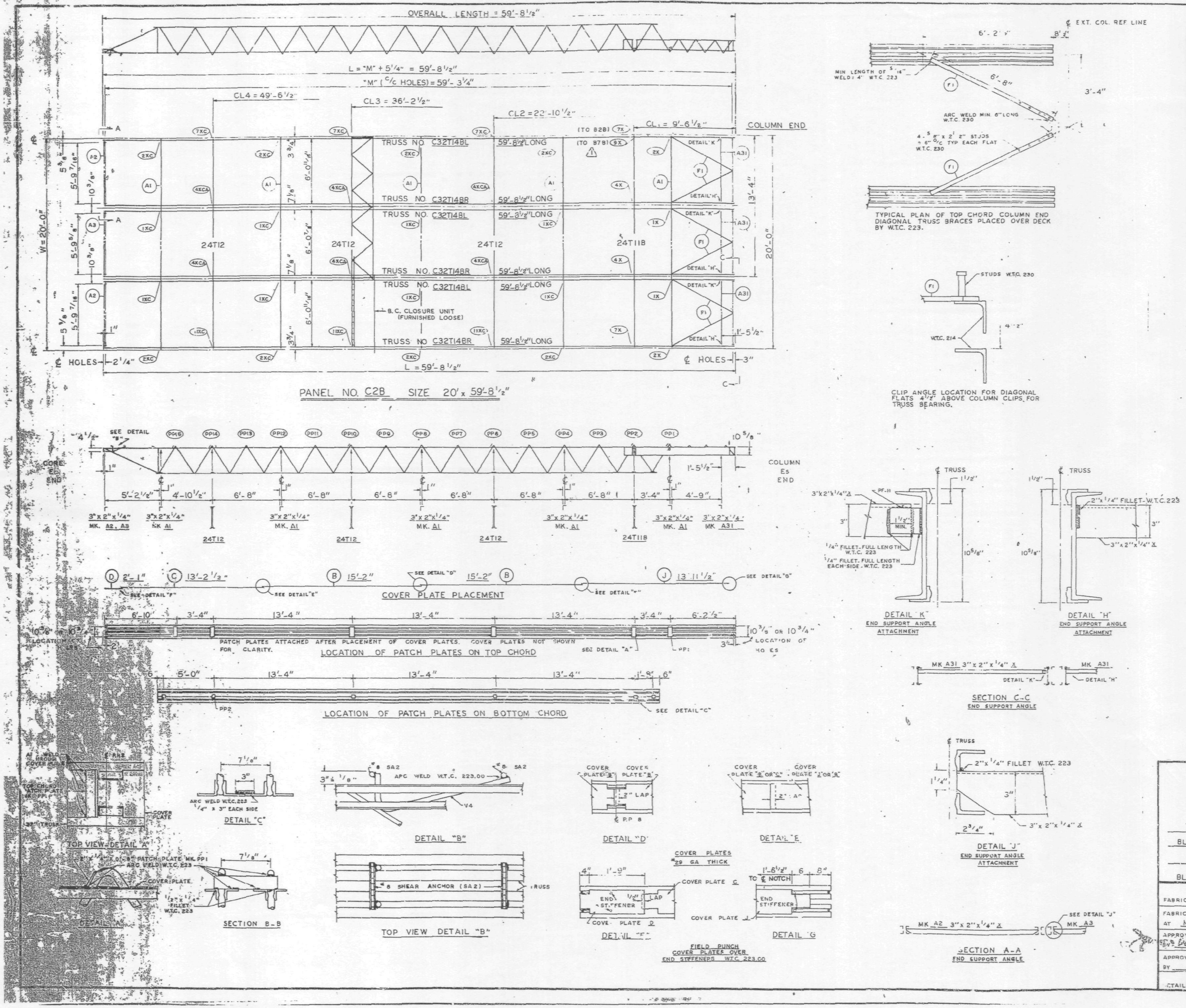
PANEL CR2A - 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-29	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 6/6/69	DRAWN BY [signature] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP CR2A

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	3	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	3	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 12'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.I.

REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL C2B - 20' x 59'-8 1/2"

BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-28 PLATE

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 6/6/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE ____

CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO W.T.C. 221

SHEET NO. FP C2B